Ultramar, Inc.

April 11, 2012

Mr. Jerry Wickham
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

SUBJECT: SEMI-ANNUAL GROUNDWATER MONITORING REPORT
FORMER BEACON STATION NO. 12574
22315 REDWOOD ROAD — RWQCB Case No. 01-0167
CASTRO VALLEY, CALIFORNIA — ACDEH: RO 0000355

Mr. Wickham:

Please find enclosed the **Semi-Annual Groundwater Monitoring Report** for the above-referenced facility. Pursuant to your requests, I declare, under penalty of perjury, that the following information and/or recommendations contained in the attached report are true and correct to the best of my knowledge.

Please call if you have any questions or comments regarding this letter or the enclosed report (303) 373-6057.

Sincerely,
ULTRAMAR INC.

Roger Levin
Manager – Environmental Liability
5590 B Havana St.
Denver, Colorado 80239

Enclosures

cc w/o encl. Mr. Ken Mateik, Horizon Environmental

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

April 11, 2012

Mr. Jerry Wickham
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: **Transmittal of Semi-Annual Monitoring Report**
First Quarter 2012
Former Beacon Station 12574
22315 Redwood Road, Castro Valley, California

Mr. Wickham:

At the request of Ultramar Inc., Horizon Environmental Inc. (Horizon) is forwarding the enclosed *Semi-Annual Groundwater Monitoring Report* dated April 11, 2012. The report documents results of first quarter 2012 groundwater monitoring at the subject site.

Please call Horizon at 916-939-2170 if you have any questions or require additional information.

Sincerely,
HORIZON ENVIRONMENTAL INC.

Karen P. Liptak
Staff Geologist

Enclosure

cc: Mr. Roger Levin, Ultramar, Inc.
Mr. Allen Shin, Banya Investment LLC
Mr. Bill Courtney

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

April 11, 2012

Mr. Jerry Wickham, Haz Mat Specialist
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: **Groundwater Monitoring Report**
First Semi-Annual 2012
Former Beacon Station No. 12574 RWQCB Case No. 01-0167
22315 Redwood Road, Castro Valley, California ACDEH: RO0000355

Mr. Wickham:

At the request of Ultramar Inc. (Ultramar), Horizon Environmental Inc. (Horizon) has prepared this Groundwater Monitoring Report which documents the first semi-annual 2012 groundwater monitoring at the above-referenced Site (Figure 1). There are currently six groundwater monitoring wells (MW-1 through MW-6) and three vapor wells (VW-1, VW-2 and VW-3) associated with this Site. Wells MW-1 through MW-4 and VW-1, VW-2 and VW-3 are located within the Site property boundaries, while well MW-5A is located offsite to the west within the North Sixth Street right-of-way, and well MW-6 is located offsite to the south on the adjoining Kashikar property, as shown on the Site Map (Figure 2) and Site Area Map (figure 3).

Groundwater Monitoring

Groundwater monitoring activities were conducted by Horizon on February 13, 2012 according to Horizon Field Methods and Procedures, which are presented as Attachment A, and Horizon Monitoring Well Data Sheets, which are included as Attachment B. The depth-to-water (DTW) levels in the six monitoring wells were measured to the nearest 0.01-foot from the top-of-casing (TOC), and the DTW level measurements were subtracted from surveyed TOC elevations to obtain groundwater elevations, as listed in Table 1. The physical parameters conductivity, pH and temperature were monitored with field instrumentation during the purging process. On February 13, 2012, Horizon transported the 90 gallons of monitoring well purge water to the InStrat, Inc. facility in Rio Vista, California for disposal. The non-hazardous waste manifest for the purge water is included in Attachment B.

Groundwater samples were collected by Horizon from wells MW-1 through MW-6, and were submitted under chain-of-custody (COC) documentation to Kiff Analytical LLC, a California Department of Health Services-certified analytical laboratory (NELAP No. 08263CA) located in Davis, California. As requested by the Alameda County Department of Environmental Health (ACDEH) in Item #3 of their January 8, 2009 letter, the groundwater samples were

analyzed for total petroleum hydrocarbons as gasoline (TPHg); the volatile aromatic compounds benzene, toluene, ethylbenzene and total xylenes (BTEX); the fuel oxygenates methyl-t-butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl-t-butyl ether (ETBE), tert-amyl methyl ether (TAME) and tert-butanol (TBA), and the lead scavenger compounds 1,2-dichloroethane (DCA) and 1,2-dibromoethane (EDB) by Environmental Protection Agency (EPA) Method 8260B. Copies of the laboratory reports and Chain-of-Custody are included as Attachment C. Historical groundwater data as reported by previous consultants is included as Attachment D.

Groundwater Monitoring Results

Groundwater elevation data was used to construct the Groundwater Elevation Contour Map (Figure 3). The groundwater flow direction beneath the Site is towards the southwest at an average rate of 0.02 foot/foot, as depicted on Figure 3. Groundwater monitoring previously performed at the Site has indicated a similar groundwater magnitude and flow direction, as summarized on the Historical Groundwater Flow Chart included as Figure 3A. The distribution of TPHg, Benzene and MTBE analytical data are shown on the Groundwater Analytical Summary (Figure 4). A Benzene Isoconcentration Map is shown as Figure 5. Time-Trend Charts for TPHg, Benzene, MTBE and TBA in wells MW-1 and MW-2 can be found as Figures 6 through 9 of this report.

GeoTracker Electronic Data Deliverables

The analytical electronic data deliverable (EDD) was prepared and uploaded by Kiff. The groundwater level EDD (GEO_WELL) was prepared and uploaded by Horizon. The GEO_WELL upload confirmation sheet for this semi-annual monitoring and the Semi-Annual Monitoring (SAM) Report EDD (GEO_REPORT) upload confirmation sheet for the previous SAM report are contained in Attachment E.

Discussion and Recommendations

Continued elevated concentrations of TPHg, BTEX, MTBE and TBA in onsite wells MW-1 and MW-2 indicate limited degradation of dissolved gasoline hydrocarbons in groundwater beneath the Site. Groundwater analytical data from offsite well MW-5A indicates no concentrations of TPHg, BTEX and TBA downgradient of the Site, but does indicate concentrations of MTBE ranging between 14 and 18 ppb present beneath North Sixth Street. The distributions of these analytes indicate an older, degraded dissolved gasoline plume likely originating from the former Shell USTs near well MW-2 shown on Figure 2.

The dissolved gasoline concentrations reported from well MW-1 located next to the over-excavated former Beacon USTs have attenuated much more than the dissolved gasoline concentrations reported from well MW-2 located next to the former Shell USTs. The attenuation trends of TPHg and BTEX are most pronounced after high-vacuum dual-phase extraction (HVDPE) remedial testing was performed at the Site in 2009. During the HVDPE testing, approximately 220 pounds of vapor-equivalent TPHg and 1.6 pounds of vapor-equivalent Benzene were removed from the subsurface (Horizon, June 30, 2009). These trends can be seen in the Time-Trend Charts for TPHg and Benzene shown in Figures 6 and 8.

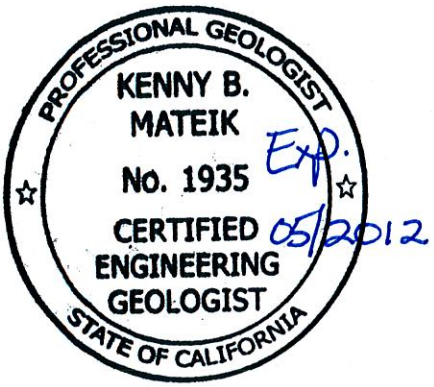
Results of vapor extraction testing (VET) performed in July 2011 indicated that standard soil vapor extraction (SVE) will also effectively remove gasoline hydrocarbons from subsurface soils in the unsaturated aquifer zone (depths of approximately 10 to 20 feet bsg) beneath the Site. Influent flow rates from extraction wells VW-2 and VW-3 ranged between 73 to 169 scfm at vacuums between 60 to 80 "WC. The average calculated hydrocarbon removal rate for the extraction from wells VW-2 and VW-3 (combined) was approximately 157 pounds per day of TPHg and 0.3-pound per day of Benzene. Horizon submitted the results of the VET to the ACEHS in the Report on Soil Vapor Extraction Testing dated August 23, 2011. The maximum radius of influence (ROI) in the unsaturated sandy aquifer materials utilizing wells VW-2 and VW-3 as extraction wells appeared to be up to 60 feet in radius, but the effective ROI likely is more on the order of 50 feet from each of these wells.

The remedial HVDPE and SVE testing data was utilized in the preparation of a combined Problem Assessment Report (PAR), Site Conceptual Model (SCM), and [Draft] Corrective Action Plan (CAP) report. Horizon and Ultramar are currently discussing and evaluating remedial alternatives and the path forward for this project, which will be presented in the SCM and [Draft] CAP report to be submitted to the ACEHS.

If you have any questions, please contact Horizon at (916) 939-2170.

Sincerely,
HORIZON ENVIRONMENTAL INC.

Kenny B. Mateik
Professional Geologist, C.E.G. No. 1935



Karen P. Liptak
Staff Geologist

Attachments:

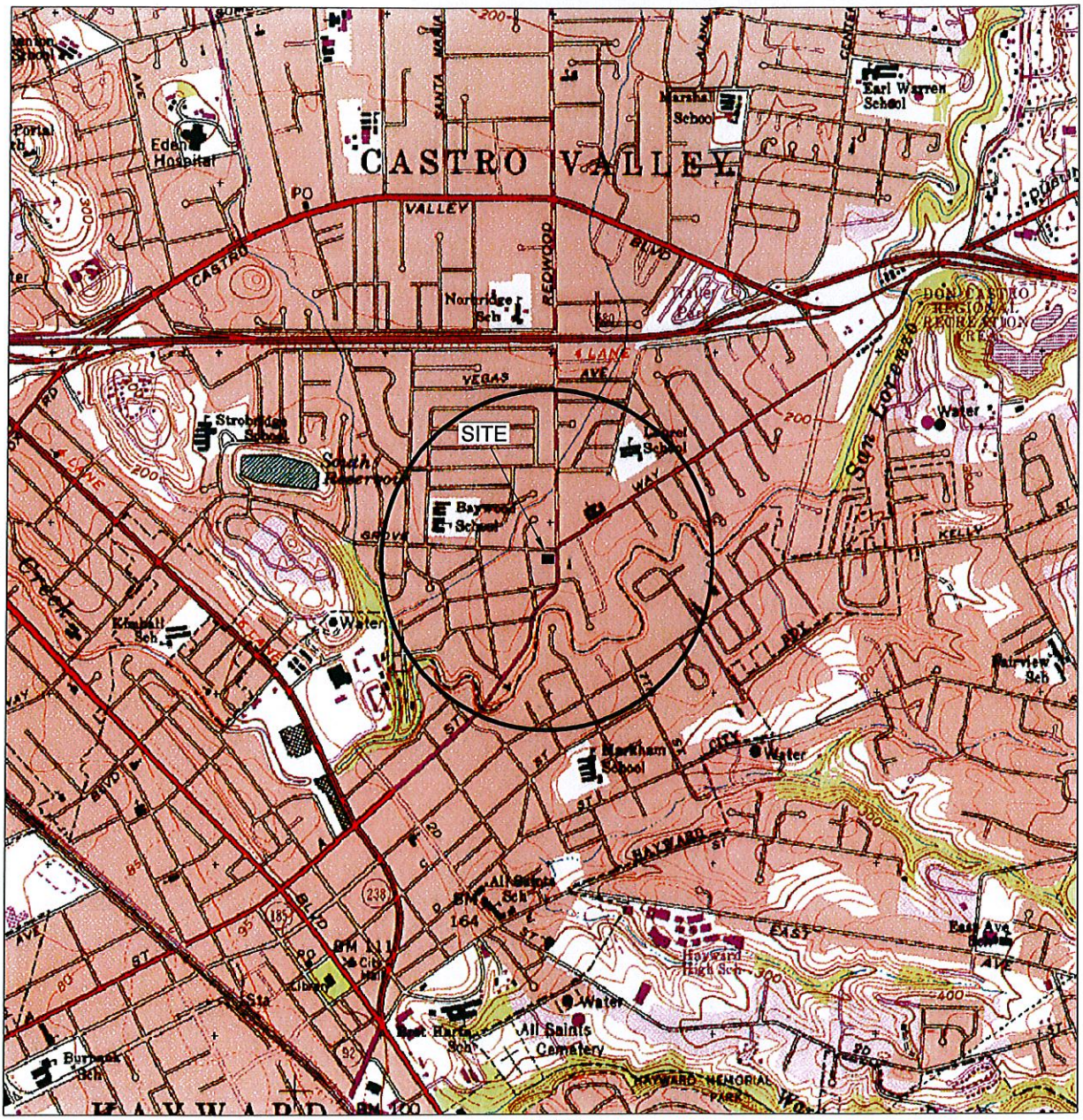
Figure 1:	Site Vicinity Map
Figure 2:	Site Map
Figure 3:	Site Area Map
Figure 4:	Groundwater Elevation Contour Map
Figure 4A:	Historical Groundwater Flow Table
Figure 5:	Groundwater Analytical Summary
Figure 6:	Benzene Isoconcentration Map
Figure 7:	TPHg vs. Time Graph for Monitoring Well MW-1
Figure 8:	Benzene vs. Time Graph for Monitoring Well MW-1
Figure 9:	MTBE and TBA vs. Time Graph for Monitoring Well MW-1

Figure 10: TPHg and Benzene vs. Time Graph for Monitoring Well MW-2
Figure 11: MTBE and TBA vs. Time Graph for Monitoring Well MW-2

Table 1: Groundwater Monitoring Data

Attachment A: Horizon Field Methods and Procedures
Site Description and Background
Attachment B: Horizon Monitoring Well Data Sheets
Purge Water Disposal Documentation
Attachment C: Analytical Report
Attachment D: Historical Groundwater Data
Attachment E: GeoTracker Electronic Data Deliverable Confirmation Sheets

c: Mr. Roger Levin, Ultramar, Inc.
Mr. Allen Shin, Banya Investment LLC
Mr. Bill Courtney, Property Manager
Mr. Ali Kashikar, Offsite Property Owner



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
HAYWARD, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

QUADRANGLE LOCATION

0 2000 FT

SCALE 1:24,000

NORTH

HORIZON ENVIRONMENTAL INC.

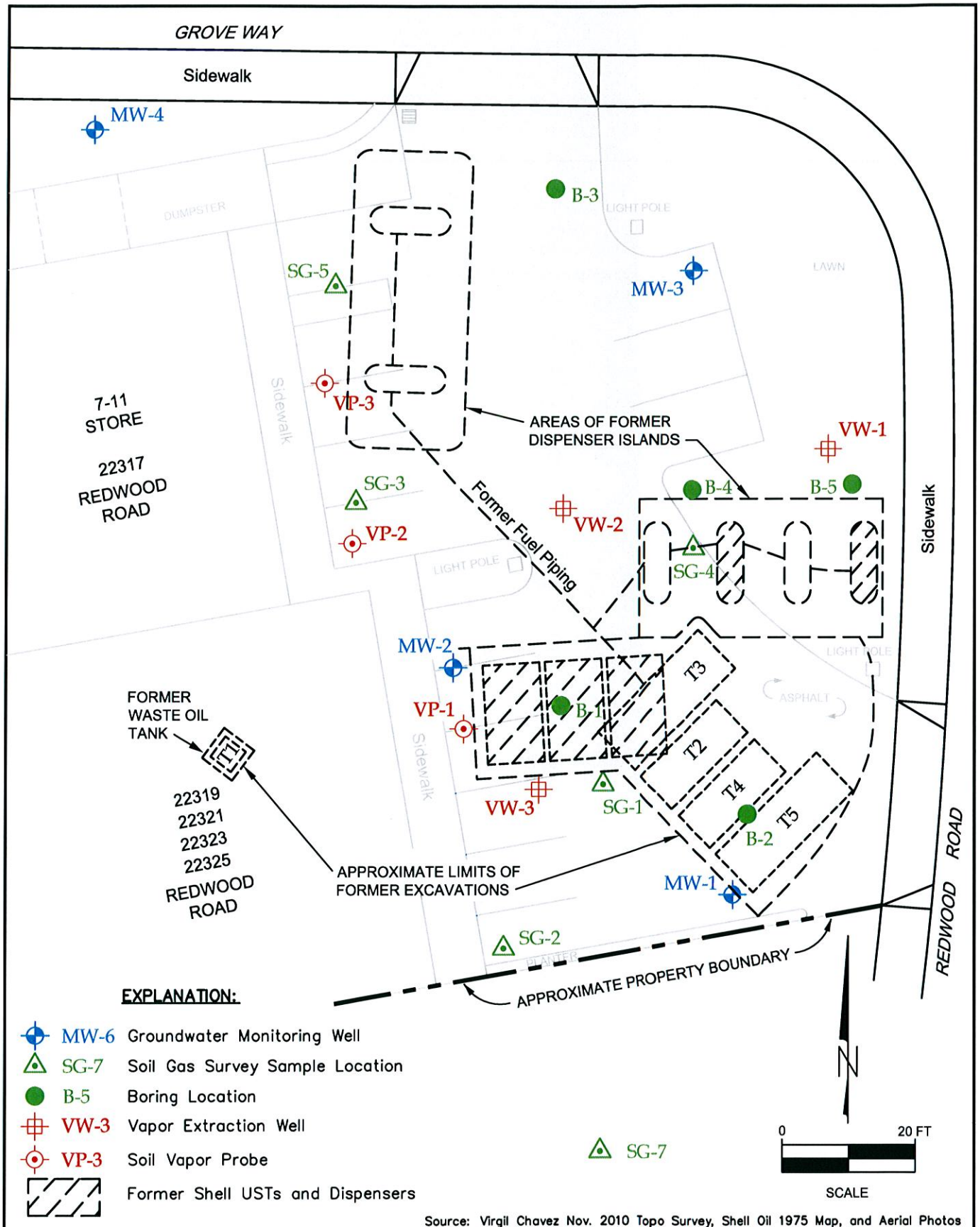
Project Number: 1574.41	Drawn By: M. LaCoste
Prepared By: K. Liptak	Date: 10/7/04
Reviewed By: K. Mateik	Revised Date:

SITE LOCATION MAP

FORMER BEACON STATION NO. 12574
22315 REDWOOD ROAD
CASTRO VALLEY, CA.

FIGURE

1

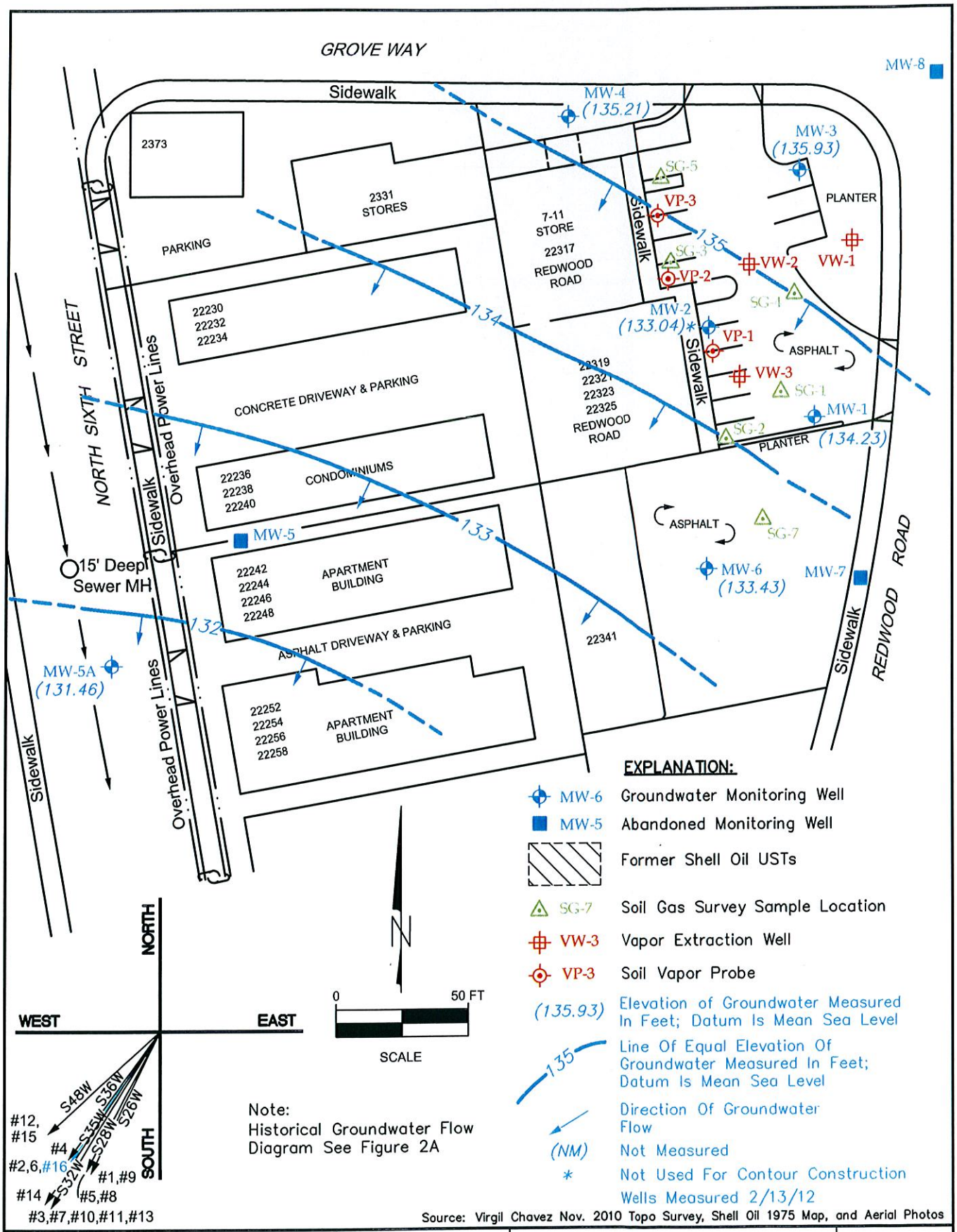


Source: Virgil Chavez Nov. 2010 Topo Survey, Shell Oil 1975 Map, and Aerial Photos

HORIZON ENVIRONMENTAL INC.		SITE MAP	FIGURE
Project Number: 1574.13 Prepared By: E. Kruck Reviewed By: K. Mateik	Drawn By: C. Bechtell Date: Revised Date:	FORMER BEACON STATION NO. 12574 22315 REDWOOD ROAD CASTRO VALLEY, CA.	2

HORIZON ENVIRONMENTAL INC.

Project Number: 1574.13 Prepared By: E. Kruck Reviewed By: K. Mateik	Drawn By: M. LaCoste Date: 1/25/12 Revised Date:	SITE AREA MAP FORMER BEACON STATION NO. 12574 22315 REDWOOD ROAD CASTRO VALLEY, CA.	FIGURE 3

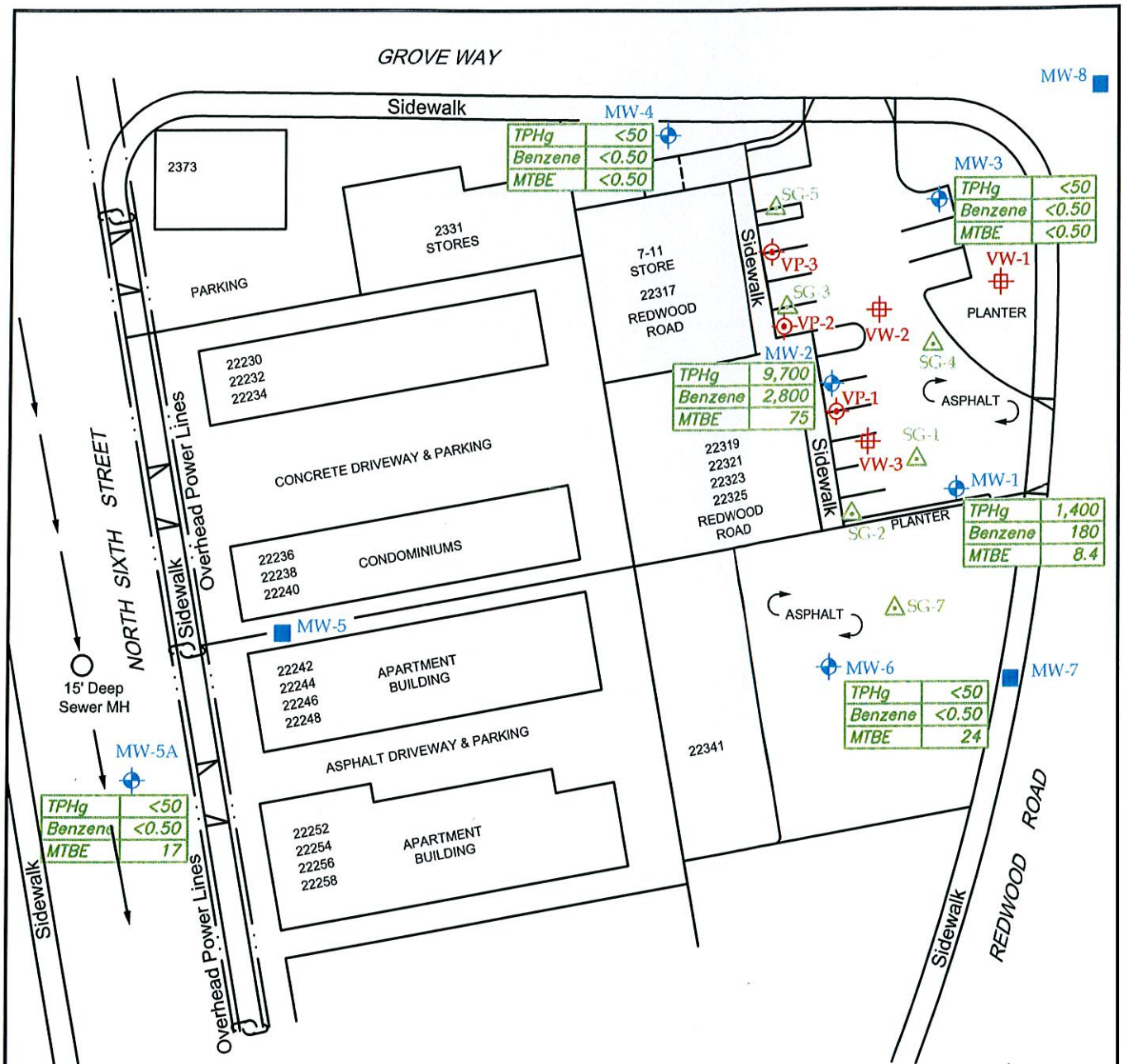


Source: Virgil Chavez Nov. 2010 Topo Survey, Shell Oil 1975 Map, and Aerial Photos

HORIZON ENVIRONMENTAL INC.		GROUNDWATER ELEVATION CONTOUR MAP FORMER BEACON STATION NO. 12574 22315 REDWOOD ROAD CASTRO VALLEY, CA.	FIGURE 4
Project Number: 1574.49 Prepared By: K. Liptak Reviewed By: K. Mateik	Drawn By: C. Bechtell Date: 02/12 Revised Date:		

Figure 4A
HISTORICAL GROUNDWATER FLOW CHART
Former Beacon Station No. 12574
22315 Redwood Road,
Castro Valley, California

Date	Map ID Number	Direction of Groundwater Flow
08/31/04	#1	S 26 W
02/01/05	#2	S 35 W
07/29/05	#3	S 32 W
01/16/06	#4	S 36 W
08/30/06	#5	S 28 W
02/13/07	#6	S 35 W
08/13/07	#7	S 32 W
02/11/08	#8	S 28 W
07/29/08	#9	S 26 W
02/25/09	#10	S 32 W
08/26/09	#11	S 32 W
01/29/10	#12	S 48 W
08/23/10	#13	S 32 W
03/03/11	#14	S 34 W
08/24/11	#15	S 48 W
02/13/12	#16	S 35 W



EXPLANATION:

- MW-6 Groundwater Monitoring Well
- MW-5 Abandoned Monitoring Well
- Former Shell Oil USTs
- SG-7 Soil Gas Survey Sample Location
- VW-3 Vapor Extraction Well
- VP-3 Soil Vapor Probe

TPHg	9,700
Benzene	2,800
MTBE	75

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE IN PARTS PER BILLION (ppb)
BENZENE CONCENTRATION IN ppb
METHYL TERT-BUTYL ETHER IN ppb

(NS) Not Sampled

Wells Sampled 2/13/12

N

0 50 FT

SCALE

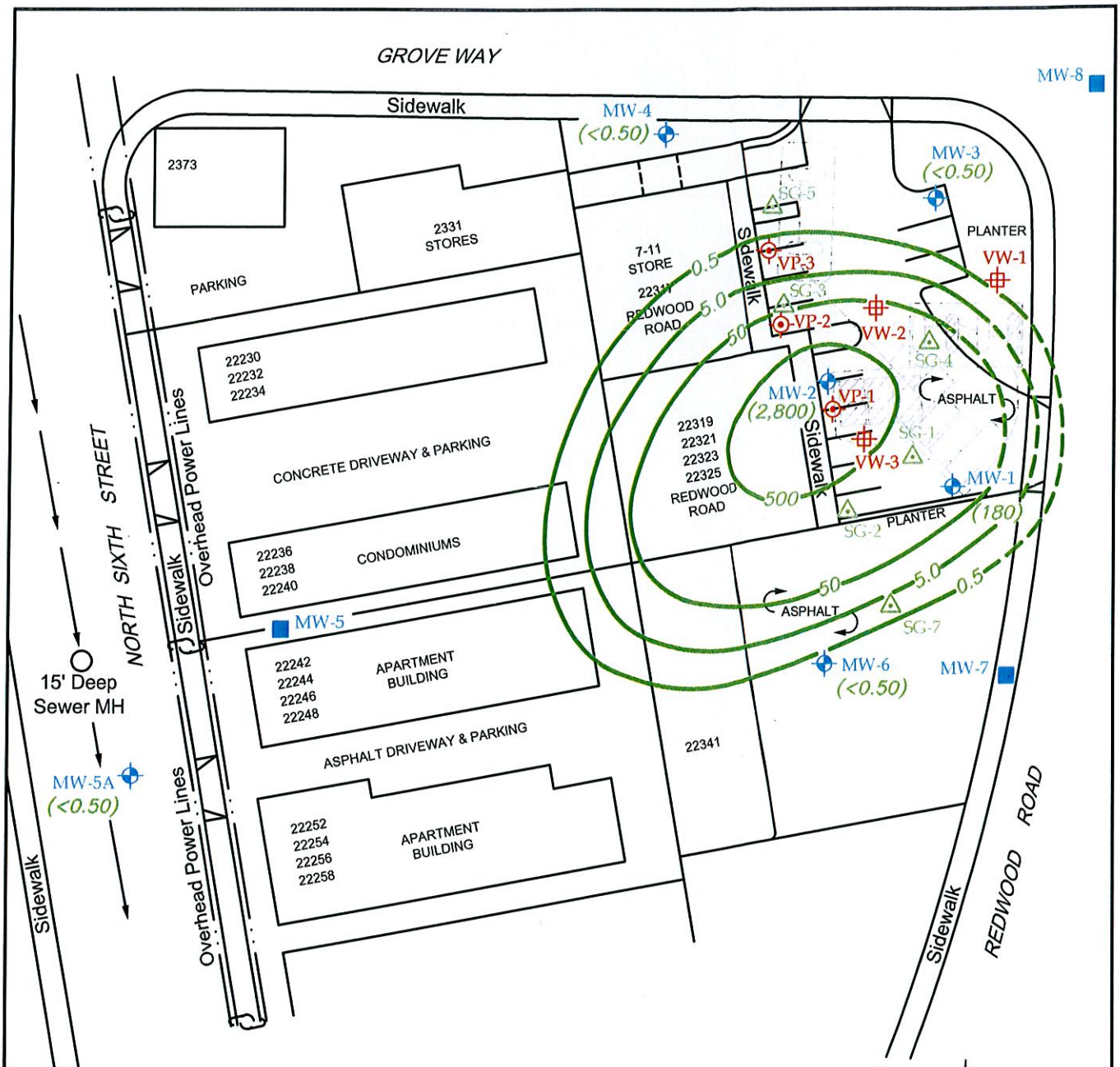
Source: Virgil Chavez Nov. 2010 Topo Survey, Shell Oil 1975 Map, and Aerial Photos

HORIZON ENVIRONMENTAL INC.

Project Number: 1574.49	Drawn By: C. Bechtell
Prepared By: K. Liptak	Date: 02/12
Reviewed By: K. Mateik	Revised Date:

GROUNDWATER ANALYTICAL SUMMARY
FORMER BEACON STATION NO. 12574
22315 REDWOOD ROAD
CASTRO VALLEY, CA.

FIGURE 5



EXPLANATION:

- MW-6 Groundwater Monitoring Well
- MW-5 Abandoned Monitoring Well
- Former Shell Oil USTs
- (2800) Benzene Concentrations Measured In Parts Per Billion
- 500 Line Of Equal Concentration Of Benzene Measured In Parts Per Billion
- Wells Sampled 2/13/12
- SG-7 Soil Gas Survey Sample Location
- VW-3 Vapor Extraction Well
- VP-3 Soil Vapor Probe

N

0 50 FT

SCALE

Source: Virgil Chavez Nov. 2010 Topo Survey, Shell Oil 1975 Map, and Aerial Photos

HORIZON ENVIRONMENTAL INC.

Project Number: 1574.49	Drawn By: C. Bechtell
Prepared By: K. Liptak	Date: 02/12
Reviewed By: K. Mateik	Revised Date:

BENZENE ISOCONCENTRATION MAP

FORMER BEACON STATION NO. 12574
22315 REDWOOD ROAD
CASTRO VALLEY, CA.

FIGURE 6

FIGURE 7
TPHg vs. Time
Monitoring Well MW-1
Former Beacon Station No. 12574
22135 Redwood Road, Castro Valley, California

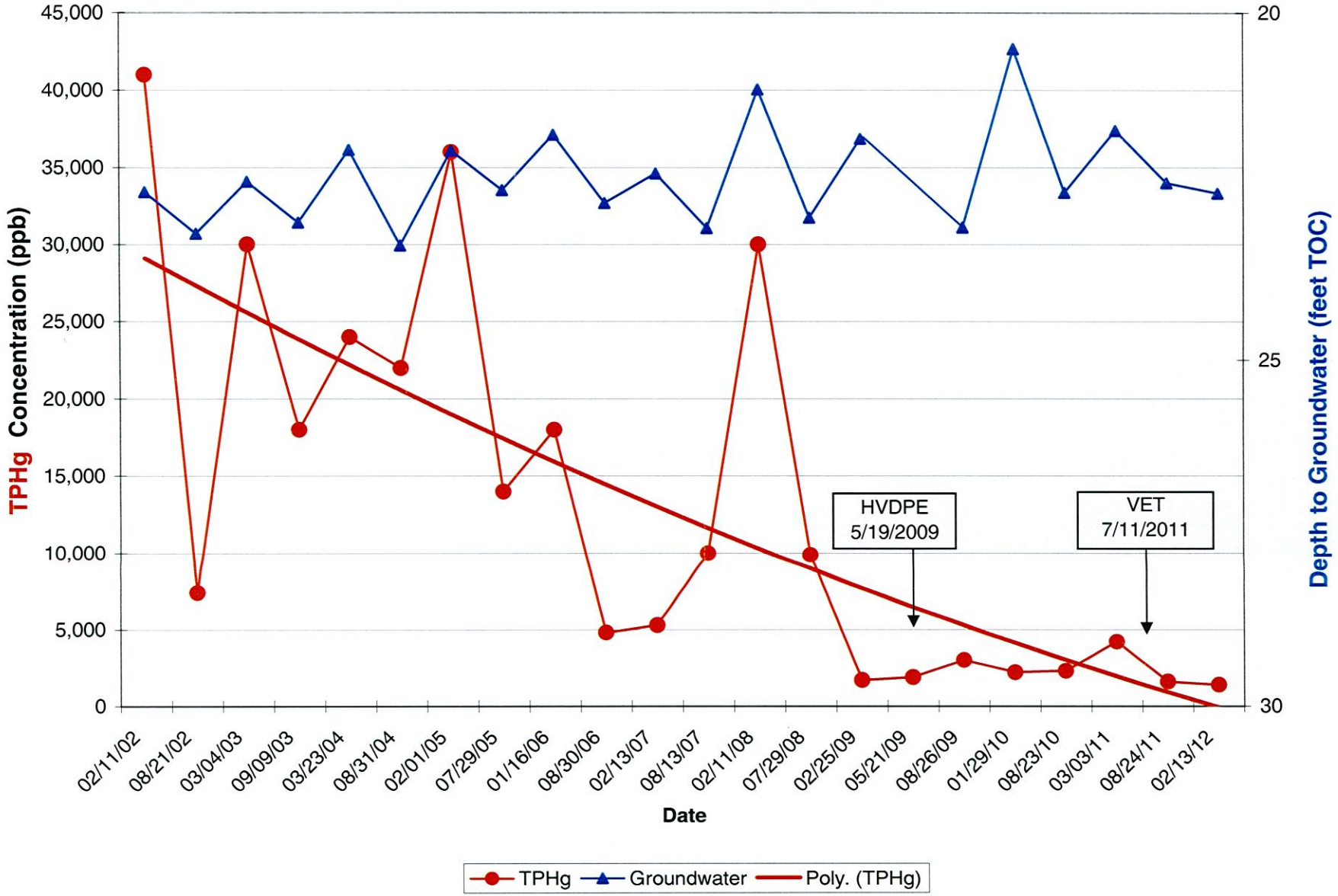


FIGURE 8
Benzene vs. Time
Monitoring Well MW-1
Former Beacon Station No. 12574
22135 Redwood Road, Castro Valley, California

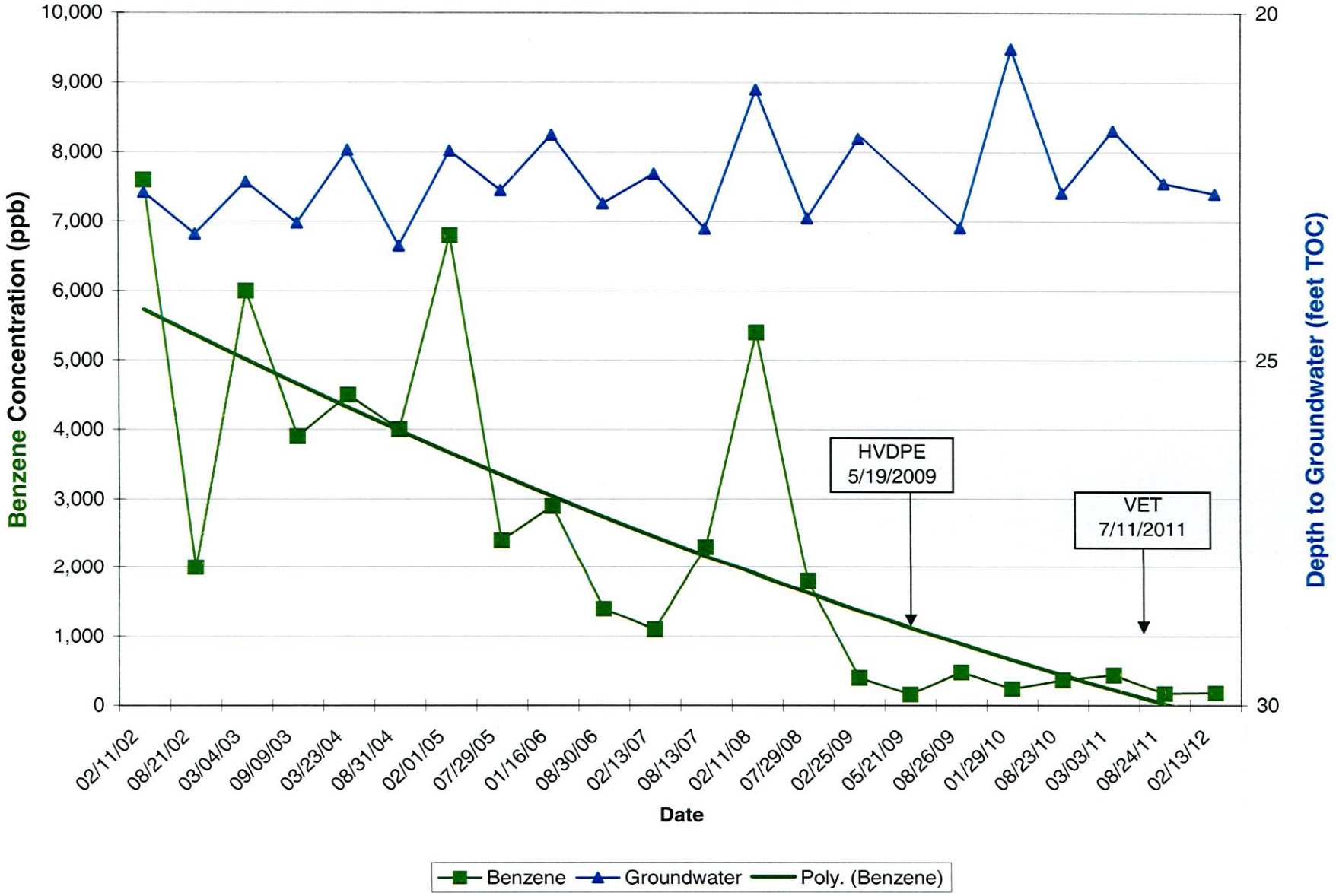


FIGURE 9
MTBE and TBA vs. Time
Monitoring Well MW-1
Former Beacon Station No. 12574
22135 Redwood Road, Castro Valley, California

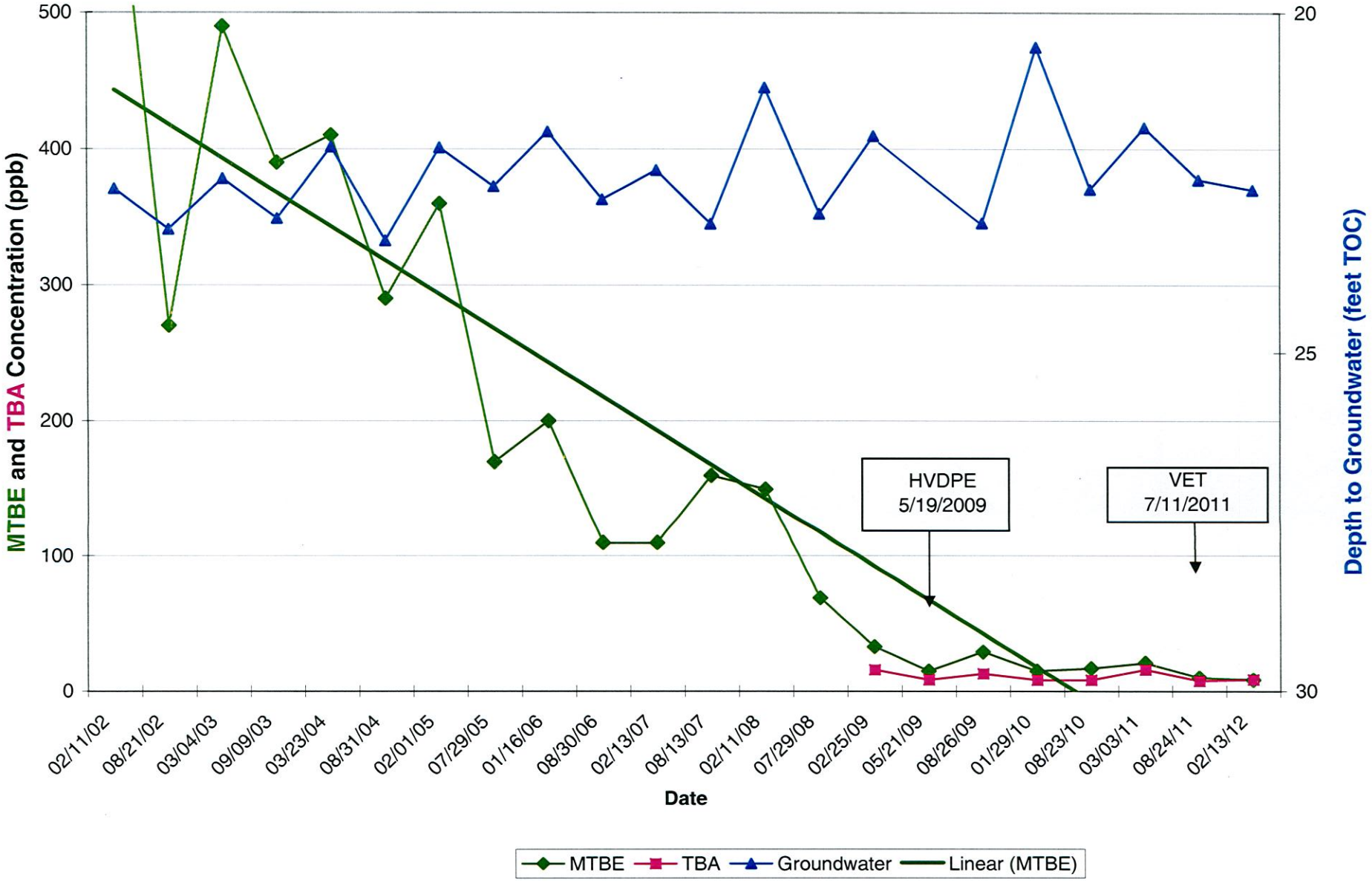


FIGURE 10
TPHg and Benzene vs. Time
Monitoring Well MW-2
Former Beacon Station No. 12574
22135 Redwood Road, Castro Valley, California

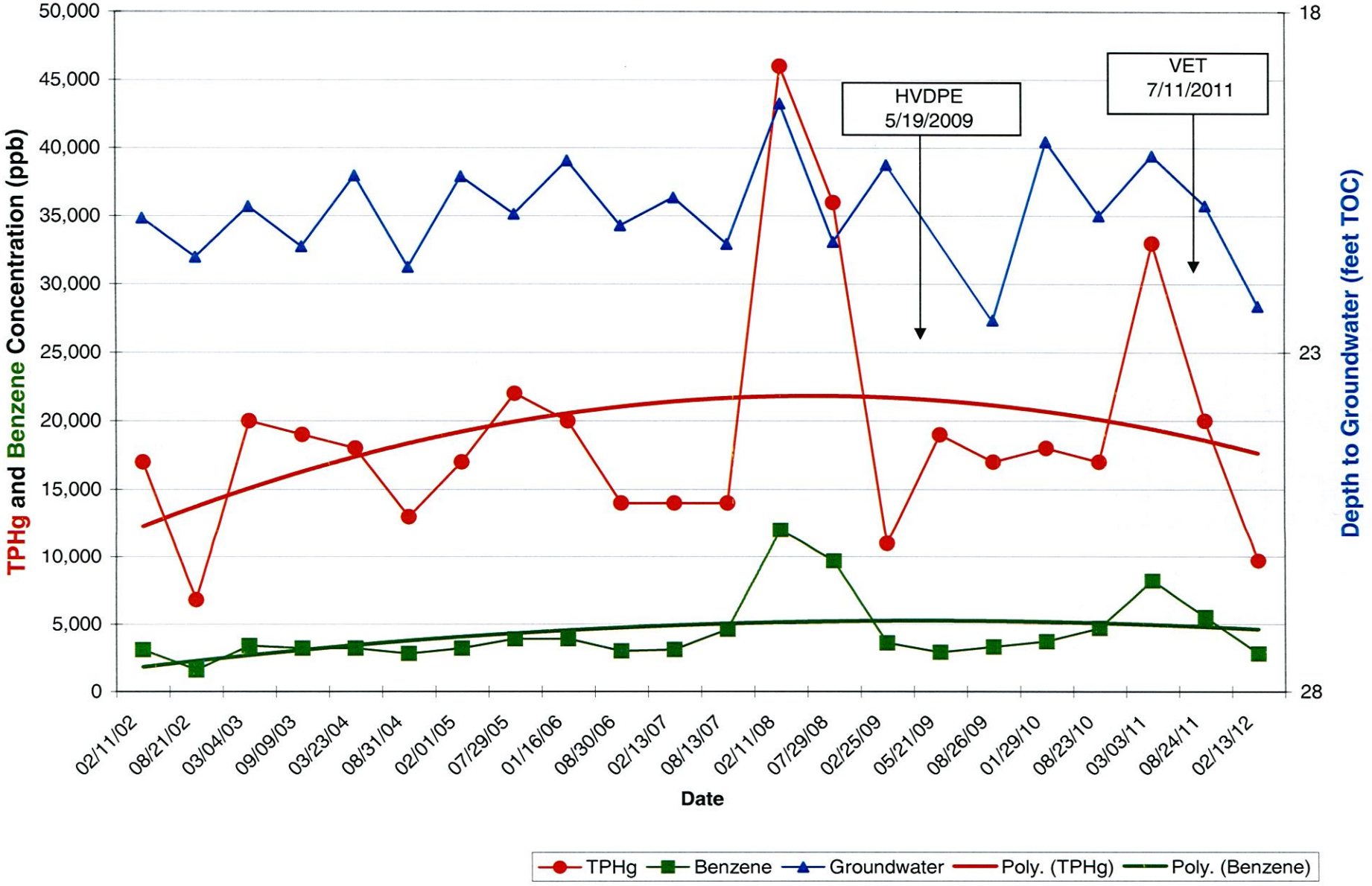


FIGURE 11
MTBE and TBA vs. Time
Monitoring Well MW-2
Former Beacon Station No. 12574
22135 Redwood Road, Castro Valley, California

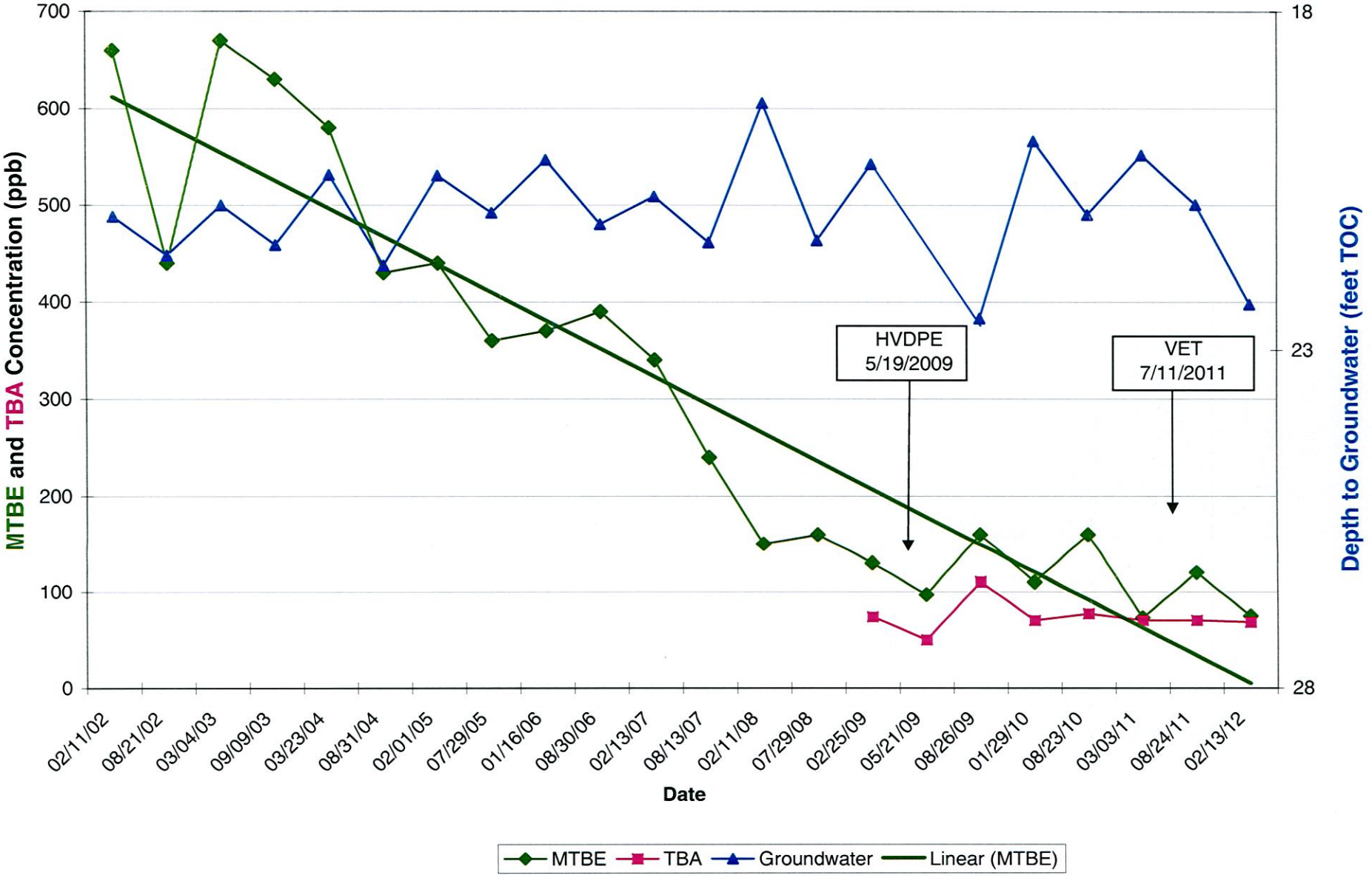


Table 1 - Groundwater Monitoring Data
Former Beacon Station No. 12574
22315 Redwood Road
Castro Valley, California

Well Number	Date	TPHg ppb	Benzene ppb	Toluene ppb	Ethylbenz. ppb	Xylenes ppb	MTBE ppb	TBA ppb	Depth to GW	T.O.C. Elevation	GW Elevation	Comments
MW-1	02/11/02	41,000	7,600	160	1,600	4,200	640	na	22.58	158.70	136.12	no comments
	08/21/02	7,400	2,000	31	220	510	270	na	23.18		135.52	no comments
screen	03/04/03	30,000	6,000	130	1,300	2,900	490	na	22.43		136.27	no comments
interval	09/09/03	18,000	3,900	69	760	1,700	390	na	23.02		135.68	no comments
10' - 30'	03/23/04	24,000	4,500	89	1,000	2,000	410	na	21.97		136.73	no comments
	08/31/04	22,000	4,000	77	780	1,600	290	na	23.35		135.35	no comments
4" casing	02/01/05	36,000	6,800	160	1,800	3,000	360	na	21.98		136.72	no comments
diameter	07/29/05	14,000	2,400	54	460	750	170	na	22.55		136.15	no comments
	01/16/06	18,000	2,900	61	860	1,300	200	na	21.75		136.95	no comments
	08/30/06	4,800	1,400	22	150	240	110	na	22.74		135.96	no comments
	02/13/07	5,300	1,100	49	210	280	110	na	22.31		136.39	no comments
	08/13/07	10,000	2,300	49	11	630	160	na	23.10		135.60	no comments
	02/11/08	30,000	5,400	260	2,300	3,400	150	na	21.10		137.60	no comments
	07/29/08	9,900	1,800	28	720	220	69	na	22.95		135.75	no comments
	02/25/09	1,700	400	7.0	53	34	33	16	21.81		136.89	slight odor / no sheen
	05/21/09	1,900	160	50	120	140	15	8.4	nm		nc	post HVDPE sample
	08/26/09	3,000	480	130	120	240	29	13	23.09		135.61	slight odor / no sheen
	01/29/10	2,200	240	16	45	100	15	8.3	20.51		138.19	slight odor / no sheen
	08/23/10	2,300	370	7.0	54	83	17	8.3	22.59		136.11	odor / no sheen
	11/10/10	-------	-------	-------	-------	-------	-------	-------		156.83		GPS surveying of well
	03/03/11	4,200	440	14	190	120	21	16	21.69		135.14	odor / no sheen
	08/24/11	1,600	170	6.3	20	26	10	7.6	22.45		134.38	slight odor / no sheen
	02/13/12	1,400	180	5.4	24	43	8.4	8.6	22.60		134.23	odor / no sheen
MW-2	02/11/02	17,000	3,100	270	690	1,600	660	na	21.03	157.33	136.30	no comments
	08/21/02	6,800	1,600	44	290	260	440	na	21.60		135.73	no comments
screen	03/04/03	20,000	3,400	200	590	1,100	670	na	20.86		136.47	no comments
interval	09/09/03	19,000	3,200	120	630	940	630	na	21.45		135.88	no comments
10' - 30'	03/23/04	18,000	3,200	110	640	740	580	na	20.41		136.92	no comments
	08/31/04	13,000	2,800	59	510	420	430	na	21.75		135.58	no comments
4" casing	02/01/05	17,000	3,200	110	700	730	440	na	20.42		136.91	no comments
diameter	07/29/05	22,000	3,900	210	770	930	360	na	20.97		136.36	no comments
	01/16/06	20,000	3,900	120	770	790	370	na	20.19		137.14	slight sheen / odor
	08/30/06	14,000	3,000	79	480	450	390	na	21.14		136.19	no comments
	02/13/07	14,000	3,100	110	600	620	340	na	20.73		136.60	sheen
	08/13/07	14,000	4,600	150	560	410	240	na	21.41		135.92	no comments
	02/11/08	46,000	12,000	4,400	1,700	5,200	150	na	19.35		137.98	no comments
	07/29/08	36,000	9,700	840	1,400	4,000	160	na	21.38		135.95	no comments
	02/25/09	11,000	3,600	66	400	320	130	74	20.25		137.08	odor / no sheen
	05/21/09	19,000	2,900	710	590	1,900	97	50	nm		nc	post HVDPE sample
	08/26/09	17,000	3,300	280	640	1,600	160	110	22.53		134.80	odor / no sheen
	01/29/10	18,000	3,700	140	550	1,100	110	70	19.91		137.42	odor / no sheen
	08/23/10	17,000	4,700	72	550	380	160	77	21.00		136.33	odor / no sheen
	11/10/10	-------	-------	-------	-------	-------	-------	-------		155.36		GPS surveying of well
	03/03/11	33,000	8,200	150	1,800	2,400	73	<70	20.12		135.24	odor / no sheen
	08/24/11	20,000	5,500	89	1,000	410	120	<70	20.85		134.51	odor / no sheen
	02/13/12	9,700	2,800	30	310	82	75	68	22.32		133.04	odor / no sheen

Table 1 - Groundwater Monitoring Data
Former Beacon Station No. 12574
22315 Redwood Road
Castro Valley, California

Well Number	Date	TPHg ppb	Benzene ppb	Toluene ppb	Ethylbenz. ppb	Xylenes ppb	MTBE ppb	TBA ppb	Depth to GW	T.O.C. Elevation	GW Elevation	Comments
MW-3	02/11/02	ns	ns	ns	ns	ns	ns	ns	21.55	159.23	137.68	not sampled
	08/21/02	ns	ns	ns	ns	ns	ns	ns	22.00		137.23	not sampled
screen	03/04/03	ns	ns	ns	ns	ns	ns	ns	21.48		137.75	not sampled
interval	09/09/03	ns	ns	ns	ns	ns	ns	ns	21.84		137.39	not sampled
10' - 30'	03/23/04	ns	ns	ns	ns	ns	ns	ns	20.82		138.41	not sampled
	08/31/04	ns	ns	ns	ns	ns	ns	ns	21.93		137.30	no comments
4" casing	02/01/05	ns	ns	ns	ns	ns	ns	ns	20.56		138.67	no comments
diameter	07/29/05	ns	ns	ns	ns	ns	ns	ns	21.37		137.86	no comments
	01/16/06	ns	ns	ns	ns	ns	ns	ns	20.75		138.48	no comments
	08/30/06	ns	ns	ns	ns	ns	ns	ns	21.60		137.63	no comments
	02/13/07	ns	ns	ns	ns	ns	ns	ns	21.37		137.86	no comments
	08/13/07	ns	ns	ns	ns	ns	ns	ns	nm		nm	well paved over
	02/11/08	ns	ns	ns	ns	ns	ns	ns	nm		nm	well paved over
	07/29/08	ns	ns	ns	ns	ns	ns	ns	nm		nm	well paved over
	02/25/09	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	20.87		138.36	no odor / no sheen
	08/26/09	140	<0.50	<0.50	0.71	<0.50	<0.50	<5.0	21.68		137.55	no odor / no sheen
	01/29/10	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	19.60		139.63	no odor / no sheen
	08/23/10	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	21.10		138.13	no odor / no sheen
	11/10/10	-------	-------	-------	-------	-------	-------	-------		157.37		GPS surveying of well
	03/03/11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	20.58		136.79	no odor / no sheen
	08/24/11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	21.15		136.22	no odor / no sheen
	02/13/12	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	21.44		135.93	no odor / no sheen
MW-4	02/11/02	ns	ns	ns	ns	ns	ns	ns	16.81	154.13	137.32	not sampled
	08/21/02	ns	ns	ns	ns	ns	ns	ns	17.58		136.55	not sampled
screen	03/04/03	ns	ns	ns	ns	ns	ns	ns	16.70		137.43	not sampled
interval	09/09/03	ns	ns	ns	ns	ns	ns	ns	17.48		136.65	not sampled
13' - 28'	03/23/04	ns	ns	ns	ns	ns	ns	ns	16.35		137.78	not sampled
	08/31/04	ns	ns	ns	ns	ns	ns	ns	nm		nm	no comments
2" casing	02/01/05	ns	ns	ns	ns	ns	ns	ns	16.70		137.43	no comments
diameter	07/29/05	ns	ns	ns	ns	ns	ns	ns	17.06		137.07	no comments
	01/16/06	ns	ns	ns	ns	ns	ns	ns	16.56		137.57	no comments
	08/30/06	ns	ns	ns	ns	ns	ns	ns	17.18		136.95	no comments
	02/13/07	ns	ns	ns	ns	ns	ns	ns	17.01		137.12	no comments
	08/13/07	ns	ns	ns	ns	ns	ns	ns	17.94		136.19	no comments
	02/11/08	ns	ns	ns	ns	ns	ns	ns	15.68		138.45	no comments
	07/29/08	ns	ns	ns	ns	ns	ns	ns	17.31		136.82	no comments
	02/25/09	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	16.44		137.69	no odor / no sheen
	08/26/09	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	17.41		136.72	no odor / no sheen
	01/29/10	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	16.15		137.98	no odor / no sheen
	08/23/10	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	16.78		137.35	no odor / no sheen
	11/10/10	-------	-------	-------	-------	-------	-------	-------		152.26		GPS surveying of well
	03/03/11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	16.29		135.97	no odor / no sheen
	08/24/11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	16.93		135.33	no odor / no sheen
	02/13/12	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	17.05		135.21	no odor / no sheen

Table 1 - Groundwater Monitoring Data
Former Beacon Station No. 12574
22315 Redwood Road
Castro Valley, California

Well Number	Date	TPHg ppb	Benzene ppb	Toluene ppb	Ethylbenz. ppb	Xylenes ppb	MTBE ppb	TBA ppb	Depth to GW	T.O.C. Elevation	GW Elevation	Comments
MW-5	02/11/02	ns	ns	ns	ns	ns	ns	ns	15.70	150.73	135.03	not sampled
	08/21/02	ns	ns	ns	ns	ns	ns	ns	16.17		134.56	not sampled
	03/04/03	ns	ns	ns	ns	ns	ns	ns	15.46		135.27	not sampled
	09/09/03	ns	ns	ns	ns	ns	ns	ns	16.05		134.68	not sampled
	03/23/04	ns	ns	ns	ns	ns	ns	ns	14.88		135.85	not sampled
	08/31/04	ns	ns	ns	ns	ns	ns	ns	nm		nm	unable to locate due to construction
	02/01/05	ns	ns	ns	ns	ns	ns	ns	nm		nm	unable to locate due to construction
	07/29/05	ns	ns	ns	ns	ns	ns	ns	nm		nm	unable to locate due to construction
	08/24/11	ns	ns	ns	ns	ns	ns	ns	nm		nm	unable to locate due to construction
	02/13/12	ns	ns	ns	ns	ns	ns	ns	nm		nm	unable to locate due to construction
MW-5A	11/01/10	<50	<0.50	<0.50	<0.50	<0.50	18	<5.0	15.11	146.36	131.25	no odor / no sheen
screen	03/03/11	<50	<0.50	<0.50	<0.50	<0.50	17	<5.0	13.96		132.40	no odor / no sheen
interval	08/24/11	<50	<0.50	<0.50	<0.50	<0.50	14	<5.0	14.82		131.54	no odor / no sheen
10' - 30'	02/13/12	<50	<0.50	<0.50	<0.50	<0.50	17	<5.0	14.90		131.46	no odor / no sheen
2" casing diameter												
MW-6	02/11/02	ns	ns	ns	ns	ns	ns	ns	20.78	156.11	135.33	not sampled
	08/21/02	ns	ns	ns	ns	ns	ns	ns	21.41		134.70	not sampled
screen	03/04/03	ns	ns	ns	ns	ns	ns	ns	20.64		135.47	not sampled
interval	09/09/03	ns	ns	ns	ns	ns	ns	ns	21.23		134.88	not sampled
15' - 30'	03/23/04	ns	ns	ns	ns	ns	ns	ns	20.21		135.90	not sampled
	08/31/04	ns	ns	ns	ns	ns	ns	ns	21.50		134.61	no comments
2" casing	02/01/05	ns	ns	ns	ns	ns	ns	ns	20.22		135.89	no comments
diameter	07/29/05	ns	ns	ns	ns	ns	ns	ns	20.78		135.33	no comments
	01/16/06	ns	ns	ns	ns	ns	ns	ns	19.92		136.19	no comments
	08/30/06	<50	<0.50	<0.50	<0.50	<0.50	71	ns	20.94		135.17	no comments
	02/13/07	ns	ns	ns	ns	ns	ns	ns	20.35		135.76	no comments
	08/13/07	ns	ns	ns	ns	ns	ns	ns	21.29		134.82	no comments
	02/11/08	ns	ns	ns	ns	ns	ns	ns	19.50		136.61	no comments
	07/29/08	ns	ns	ns	ns	ns	ns	ns	21.23		134.88	no comments
	02/25/09	<50	<0.50	<0.50	<0.50	<0.50	45	<5.0	19.95		136.16	no odor / no sheen
	08/26/09	<50	<0.50	<0.50	<0.50	<0.50	43	<5.0	21.27		134.84	no odor / no sheen
	01/29/10	<50	<0.50	<0.50	<0.50	<0.50	46	5.4	19.64		136.47	no odor / no sheen
	08/23/10	<50	<0.50	<0.50	<0.50	<0.50	36	<5.0	20.88		135.23	no odor / no sheen
	11/10/10	-------	-------	-------	-------	-------	-------	-------		154.27		GPS surveying of well
	03/03/11	<50	<0.50	<0.50	<0.50	<0.50	40	5.1	19.90		134.37	no odor / no sheen
	08/24/11	<50	<0.50	<0.50	<0.50	<0.50	29	<5.0	20.67		133.60	no odor / no sheen
	02/13/12	<50	<0.50	<0.50	<0.50	<0.50	24	<5.0	20.84		133.43	no odor / no sheen

Notes:
TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
MTBE = Methyl Tertiary-Butyl Ether
< = less than the specified laboratory detection limit
ppb = parts per billion

nm = not measured
ns = not sampled
nc = not calculated
na = not analyzed

T.O.C. = Top of casing GW = Groundwater
Depths and Elevations recorded in feet.

Monitoring well casing tops resurveyed in November 2010
to Global Positioning System (GPS) coordinates.

ATTACHMENT A

HORIZON FIELD METHODS AND PROCEDURES

AND

SITE HISTORY INFORMATION

HORIZON ENVIRONMENTAL INC.
GROUNDWATER MONITORING
FIELD METHODS AND PROCEDURES

The following section describes field procedures that will be conducted by Horizon Environmental Inc. (Horizon) personnel in performance of the tasks involved with this project.

1.0 HEALTH AND SAFETY PLAN

Fieldwork performed by Horizon and subcontractors at the site will be conducted according to guidelines established in a Site Health and Safety Plan (SHSP). The SHSP is a document that describes the hazards that may be encountered in the field and specifies personal protective equipment, work procedures, and emergency information. A copy of the SHSP will be at the site and available for reference by appropriate parties during work at the site. The site health and safety plan shall comply with health and safety guidelines in the Horizon Health and Safety Program Handbook. -

2.0 GROUNDWATER DEPTH EVALUATION

Each monitoring well is opened and allowed to equalize to atmospheric pressure prior to sounding. Depth-to-water is measured to the nearest 0.01-foot using an electronic, hand-held, water-level indicator. The measuring point is the survey mark on the top of the well casing. The tip of the probe is examined in order to evaluate for the presence or absence of separate–phase product (SPP).

3.0 MONITORING WELL PURGING & SAMPLING

Prior to purging, a clean, transparent bailer is lowered into the well, and a sample of groundwater is hoisted to the surface. The sample fluid is inspected for the presence of SPP on its surface. If no SPP is observed, sampling activities conducted subsequent to the initial well development activity will be preceded by purging a minimum of three well volumes by hand-bailing or the use of an electrically-operated pump. Purge water will be containerized in properly labeled drums or tanks for proper transport from the site and disposal. Purge water will be monitored for the parameters of temperature, pH, and electrical conductivity until stabilized or the completion of the calculated purge volume. If required, field readings for dissolved oxygen (dO_2), recorded to one decimal place, will be obtained utilizing hand-held instruments.

If SPP is observed, then either an interface probe will be lowered into the well to measure the thickness of the separate-phase liquid fuel, or a disposable plastic bailer will be lowered into the well approximately ½ to ¾ way through the air- SPP -water interface, and hoisted to the surface to measure the thickness of the separate-phase liquid fuel in the bailer.

A well is allowed to recharge to at least 80% of its pre-purge volume prior to sampling. If a well dewaters, it will be allowed to recharge for a minimum of one to two hours prior to sampling. After the water level within the well has stabilized or a reasonable time has passed, a sample is collected within a clean, disposable, bailer lowered into the well approximately ½ to ¾ way through the air water interface and hoisted to the surface.

4.0 SAMPLE PREPARATION & TRANSPORT FOR LABORATORY ANALYSIS

Water samples will be transferred directly from the bailer to laboratory-supplied appropriate containers, labeled, stored in a chilled environment (cooler), and transported to a California DHS-certified laboratory for analysis. Samples will be analyzed within the EPA-specified holding time for the requested analysis. Each sample container submitted for analysis will have a label affixed to identify the job number, sample date, time of sample collection, and a sample number unique to that sample.

A chain-of-custody form will be used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the responsible technician or geologist relinquishes custody of the samples by signing the chain-of-custody form, noting the date and time. The sample-control officer at the laboratory:

- verifies sample integrity;
- confirms storage in the proper container;
- recognizes that an adequate volume of fluid has been collected for the required analysis;
- identifies the method of preservation; and
- accepts custody for the laboratory when these conditions have been satisfied.

Site Description

The Site is located on the southwestern corner of the intersection of Redwood Road and Grove Way in Castro Valley, California, as shown on the Site Location Map (Figure 1). The Site is bounded by Grove Way to the north, Redwood Road to the east, a vacant office building to the south, and residential apartments to the west. Chevron #9-2960 was formerly located at 2416 Grove Avenue, northeast of the Site and across the intersection of Grove Avenue and Redwood Road. The Chevron site is an open Fuel Leak case (RWQCB Case No. 01-0346 and ACDEH Case No. 0275).

Existing Site facilities include a 7-11 convenience store and other commercial buildings situated on the western portion of the Site property, and a parking lot and landscaping areas situated on the central and eastern portions of the Site. Former service station facilities included eight former USTs located in the southern portion of the Site, six former dispenser islands, and associated former fuel distribution piping located in the northern and eastern portions of the Site. There are currently six groundwater monitoring wells (MW-1 through MW-6) associated with this Site. Wells MW-1 through MW-4 are located within the property boundaries, while well MW-5A is located offsite to the west within the North Sixth Street right-of-way, and well MW-6 is located offsite to the south on the adjoining Kashikar property, as shown on the Site Map (Figure 2).

Site Background

Prior to 1981, the Site had been leased and operated by Shell Oil Company (Shell). Ultramar leased the Site and operated a retail service station (Beacon No. 574) from 1981 to 1987. Information provided by Ultramar indicates that the former Beacon Site facilities included four former fuel USTs located in the southeastern portion of the property and one former waste-oil UST located in the southwestern portion of the property. These USTs were removed by Ultramar in 1987. Three former fuel USTs located to the west of the former Beacon USTs existed and were removed by Shell Oil Company sometime prior to 1981 (Acton, Mickelson, van Dam, Inc., November 1994). Acton, Mickelson, van Dam, Inc. (AMD) indicated that at least one previous generation of USTs had been installed and used at the Site by Shell, however, no records have been located with the ACDEH and local fire department for the removal of the previous generation of Shell USTs. According to the 1994 AMD report, Ultramar was not aware of any specific incidents in which gasoline leaked from or was spilled during filling of any of the former Beacon USTs in use during their Site lease period (AMD, 1994).

The five former Beacon USTs were removed from the Site on May 5, 1987. These USTs consisted of one 500-gallon waste oil UST (Tank T1), two 5,000-gallon diesel USTs (Tanks T2 and T4), an 8,000-gallon gasoline UST (Tank T3), and a 7,000-gallon gasoline UST (Tank T5), as shown on the Site Plan (Figure 2). Records made available by Ultramar

indicate that these USTs were originally installed and owned by Shell (AMD, 1994). Analytical results of soil samples collected at the time of the UST removals indicated the presence of petroleum constituents in soil underlying the USTs. Over-excavation of the UST basin to a depth of approximately 20 feet below surface grade (bsg) was performed in May 1987 by Ultramar. After completion of the over-excavation work, laboratory analysis of seven soil samples collected at the limit of the over-excavation indicated concentrations of 125.5, 208.7, and 1,989 milligrams per kilogram (mg/Kg or parts per million [ppm]) of total volatile hydrocarbons (AMD, 1994) primarily along the northern side of the over-excavated UST basin.

Various investigations have been performed at the Site since 1987. A detailed summary of the investigations performed between 1987 and 2008 are presented in the combined Problem Assessment Report (PAR), Site Conceptual Model (SCM), and [Draft] Corrective Action Plan (CAP), which will be submitted to the ACEHS in March 2012. The following investigations were performed at the Site since 2009:

- May 2009: High-vacuum dual-phase extraction (HVDPE) remedial testing was performed at the Site. Approximately 220 pounds of vapor-equivalent Total Petroleum Hydrocarbons as gasoline (TPHg) and 1.6 pounds of vapor-equivalent Benzene were removed from the subsurface, and approximately 1,660 gallons of groundwater were extracted from wells MW-1 and MW-2 during the 48 hours of remedial testing. The results of the testing indicated HVDPE is effective in extracting gasoline vapors from the vadose zone soils beneath the former USTs, and in capturing impacted groundwater from beneath the Site, as reported in the High Vacuum Dual-Phase Extraction Testing Report (Horizon, June 30, 2009).

- December 2009: Five direct-push soil gas probes (SG-1 through SG-5) were advanced onsite to collect and analyze soil gas samples. The analytical soil gas results indicated that elevated concentrations of gasoline hydrocarbons were present primarily in shallow soil gas samples SG-1 and SG-3 located near the former USTs and dispensers. The highest concentrations were encountered in sample location SG-3, which was located adjacent to the front of the commercial building at the Site, as reported in the Soil Gas Survey and Soil Assessment Report (Horizon, January 2010).

- December 2009: Five onsite borings (B-1 through B-5) were advanced to collect subsurface soil and groundwater samples. The boring locations were selected based on approximate locations of the former USTs and dispenser islands. The analytical soil and groundwater results indicated that elevated concentrations of petroleum hydrocarbons are present in saturated soils beneath the western portion of the former UST basin, and are also present in unsaturated and saturated soils beneath the former eastern dispenser islands, as reported in the Soil Gas Survey and Soil Assessment Report (Horizon, January 2010).

- October 2010: One of two proposed offsite direct-push soil gas probes was advanced to collect and analyze soil gas samples. Only temporary offsite soil gas probe SG-7 to the south of the Site was advanced, as no access was granted for offsite soil gas probe SG-6 proposed to the west of the Site. The laboratory analytical results indicate that the soil gas concentrations were below the Region 2 ESL and CHHSL listed values for residential and commercial sites at offsite location SG-7 on the Kashikar property located to the south of the Site at 22341 Redwood Road, as reported in the Subsurface Investigation Report (Horizon, December 2010).

- October 2010: Three onsite vapor extraction wells (VW-1, VW-2 and VW-3), three onsite vapor probe wells (VP-1, VP-2 and VP-3), and one offsite replacement groundwater monitoring well (MW-5A) were installed in their respective borings. Laboratory analytical results of soil samples collected from onsite borings VW-2 (north of the former Shell USTs), VW-3 (south of the former Shell USTs), and VP-2 (northwest of the former Shell USTs) indicated the presence of diesel and gasoline hydrocarbons at depths between 10 to 20 feet bsg. No concentrations of diesel and gasoline hydrocarbons were reported from soil samples from onsite borings VW-1 (just north of the former eastern dispensers), VP-1 (west of the former Shell USTs), and VP-3 (west of the former western dispensers). No concentrations of gasoline hydrocarbons were reported from soil samples from offsite boring MW-5A installed in North Sixth Street, as reported in the Subsurface Investigation Report (Horizon, December 2010), and shown on the Site Area Map (Figure 3).

- July 2011: Soil vapor extraction (SVE) remedial testing was performed at the Site. During the 65-hour vapor extraction test (VET), approximately 471 pounds of TPHg and 0.84-pound of benzene were removed from the subsurface via wells MW-1 and MW-2. The results of the VET indicated that standard SVE will also effectively remove gasoline hydrocarbons from unsaturated subsurface soils at depths of approximately 10 to 20 feet bsg beneath the Site, as presented in the Report on Soil Vapor Extraction Testing dated (Horizon, August 23, 2011).

Groundwater monitoring and sampling has been performed at the Site since 1992. Historical groundwater level data has indicated that groundwater has been present beneath the Site between the depths of approximately 14 to 22 feet bsg, and the direction of groundwater flow beneath the Site has been consistently to the south or southwest. Dissolved concentrations of TPHg, BTEX, and MTBE have been reported for groundwater samples collected from onsite wells MW-1 and MW-2, and dissolved concentrations of MTBE have been reported for groundwater samples collected from offsite wells MW-5A and MW-6.

Horizon and Ultramar are currently discussing remedial alternatives and the path forward for this project, which will be presented in a combined Problem Assessment Report (PAR), Site Conceptual Model (SCM), and [Draft] Corrective Action Plan (CAP) report to be submitted to the ACEHS in 2012.

ATTACHMENT B

HORIZON MONITORING WELL DATA SHEETS

AND

PURGE WATER DISPOSAL DOCUMENTATION

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL OBSERVATION SUMMARY SHEET

Company Former Bezcon #12574	Job No 574.49
Location 22315 Redwood Rd	Date 2-13-12
City Castro Valley	Time 0820

Well I.D.	Total Well Depth	Depth to Liquid	Hydrocarbon Thickness	Measurement Point TOB or TOC	Comments
MW-1	29.90	22.60		TOC	
MW-2	29.73	22.32			
MW-3	29.60	21.44			
MW-4	28.03	17.05			
MW-5A	29.32	14.90			
MW-6	30.00	20.84			

Comments:

Sampler: Mark D. Brock Assistant:

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. Former Bacon #12574	Location Castro Valley
Address 22315 Redwood Rd.	Job No. 1574.49
Well No. MW-1	Date 2-13-12

T.D.	- D.T.W.	x *VF	= Casing Volume
30.00	-22.60=7.40	x.66=4.88 x4	=19.52 (20)

*VF= gal/ft	2" x 0.17	3" x 0.38	4" x 0.66	8" x 1.50

Gals. Purged	5	10	15	20			
Conduct.	823	841	835	827			
P/H	6.53	6.55	6.53	6.52			Samp TIME
Temp (°F)	66.3	66.9	67.3	68.7			1053
Turbid	clear	clear	clear	clear			
Product/Sheen	N	N	N	N			
Time	1039	1042	1045	1048			
Odor	Yes	Yes	Yes	Yes			

Total Volume Purged: 4

Purging Equipment: Pump

Total Gallons Purged: 20

Sampling Equipment: Bailer

Sample Containers: 4 HCL VOA

D.T.W. after purging: 25.11

H_2O Stored? Poly Tank ~ TO Instrat

Comments: DO 2.7 ORP 249

Mark D. Brock

Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. Former Beacon #12574	Location Castro Valley
Address 22315 Redwood Rd.	Job No. 1574.49
Well No. MW-2	Date 2-13-12

T.D.	- D.T.W.	x *VF	= Casing Volume	MDB
30.00	-22.32=7.68	x.66	=5.06x4	=20.24 (20.50)

*VF= gal/ft	2" x 0.17	3" x 0.38	4" x 0.66	8" x 1.50

Gals. Purged	5.06	10.12	15.18	20.24			
Conduct.	1092	1079	1068	1065			Samp TIME
P/H	6.50	6.46	6.43	6.45			1114
Temp (°F)	63.6	66.9	67.2	67.2			
Turbid	clear	clear	clear	clear			
Product/Sheen	N	N	N	N			
Time	1100	1103	1106	1109			
Odor	YES	YES	YES	YES			

Total Volume Purged: 4

Purging Equipment: Pump

Total Gallons Purged: 20.24

Sampling Equipment: Bailer

Sample Containers: 4 HCL VOA

D.T.W. after purging: 26.83

H_2O Stored? Poly Tank ~ to Instrat

Comments: DO 2.0 orp 207

Mark D. Brock

Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. Former Beacon #12574	Location Castro Valley
Address 22315 Redwood Rd.	Job No. 1574.49
Well No MW-3	Date 2-13-12

T.D.	- D.T.W.	x *VF	= Casing Volume
30.00	-21.44 = 8.56	x .66 = 5.64 x 4	= 22.56 (23)

*VF = gal./ft	2" x 0.17 3" x 0.38	4" x 0.66 6" x 1.50

Gals. Purged	6	12	18	23			
Conduct.	579	531	519	520			
P/H	7.27	6.95	6.76	6.76			Samp TIME
Temp (°F)	60.9	64.7	66.8	67.2			0916
Turbid	clear	Slight	Slight	Slight			
Product/Sheen	N	N	N	N			
Time	0902	0905	0908	0911			
Odor	N	N	N	N			

Total Volume Purged: 4

Purging Equipment: Pump

Total Gallons Purged: 23

Sampling Equipment: Bailer

Sample Containers: 4 HCL VOA

D.T.W. after purging: 21.88

~~H₂O~~ Stored? Poly Tank ~ to Instvct

Comments: DO 3.9 Orp 281

Mark D. Brock

Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. Former Beacon #12574	Location Castro Valley
Address 22315 Redwood Rd.	Job No. 1574.49
Well No. MW-4	Date 2-13-12

T.D.	- D.T.W.	x *VF	= Casing Volume
30.00	-17.05 = 12.95	x.17 = 2.20 x 4	= 8.80 (9)

*VF = gal./ft	2" x 0.17 3" x 0.38	4" x 0.66 6" x 1.50

Gals. Purged	2.5	5	7.5	9			
Conduct.	870	915	913	916			Samp TIME
P/H	7.14	7.17	7.19	7.19			0937
Temp (°F)	60.8	63.4	64.2	64.7			
Turbid	Slight	Slight	Slight	Slight			
Product/Sheen	N	N	N	N			
Time	0926	0928	0930	0932			
Odor	N	N	N	N			

Total Volume Purged: 4

Purging Equipment: Pump

Total Gallons Purged: 9

Sampling Equipment: Bailer

Sample Containers: 4 HCL VOA

D.T.W. after purging: 18.56

H_2O Stored? Poly Tank ~ to Instrat

Comments: DO 3.8 ORP 296

Mark D. Brock

Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. Former Beacon #12574	Location Castro Valley
Address 22315 Redwood Rd.	Job No. 1574.49
Well No. MW-5A	Date 2-13-12

T.D.	- D.T.W.	x *VF	= Casing Volume
30.00	-14.90 = 15.10	x.17 = 2.56 x 4	= 10.24 (10.50)

*VF = gal./ft	2" x 0.17 3" x 0.38	4" x 0.66 8" x 1.50

Gals. Purged	3	6	9	10.50			
Conduct.	964	996	1000	999			
P/H	6.95	6.74	6.72	6.69			Samp TIME
Temp (°F)	66.2	67.5	67.8	68.1			1003
Turbid	Mod	Mod	slight	Mod.			
Product/Sheen	N	N	N	N			
Time	0952	0954	0956	0958			
Odor	N	N	N	N			

Total Volume Purged: 4

Purging Equipment: Pump

Total Gallons Purged: 10.50

Sampling Equipment: Bailer

Sample Containers: 4 HCL VOA

D.T.W. after purging: 19.83

H_2O Stored? Poly Tank ~ To Instrat

Comments: DO 5.5 Orp 299

Mark D. Brock

Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. Former Beacon #12574	Location Castro Valley
Address 22315 Redwood Rd.	Job No. 1574.49
Well No. MW-6	Date 2-13-12

T.D.	- D.T.W.	x *VF	= Casing Volume
30.00	-20.84=9.16	x.17=1.55	x4 =6.20

*VF = gal./ft	2" x 0.17 3" x 0.38	4" x 0.66 8" x 1.50

Gals. Purged	1.55	3.10	4.65	6.20			
Conduct.	914	901	908	917			
P/H	7.04	6.97	6.70	6.67			Samp TIME
Temp (°F)	61.9	66.1	66.0	66.5			~~1020~~ MDB
Turbid	Slight	Slight	Slight	clear			1026
Product/Sheen	N	N	N	N			
Time	1015	1017	1019	1021			
Odor	N	N	N	N			

Total Volume Purged: 4

Purging Equipment: Pump

Total Gallons Purged: 6.20

Sampling Equipment: Bailer

Sample Containers: 4 HCL VOA

D.T.W. after purging: 27.03

H_2O Stored? Poly Tank ~ TO Instrat

Comments: DO 2.7 ORP 305

Mark D. Brock

Technician

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
ULTRAMAR # 12574
22315 REDWOOD RD
CASTRO VALLEY, CA

4. Generator's Phone ( )

HORIZON

5. Transporter 1 Company Name
HORIZON

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
INSTRAT INC
1105-C AIRPORT RD
RIO VISTA, CA

10. US EPA ID Number
CAR000150579

E. State Facility's ID

F. Facility's Phone
707-374-3834

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZ PURGE WATER	1	POLY	90	GAL
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
COLOR - GREY
ODOR - Ø
SOLIDS - Ø

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date: Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Mark D. Brock | Signature: Mark W. Brock | Date: Month 2 Day 13 Year 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

INSTRAT INC

Printed/Typed Name: MICHAEL WHITEHEAD | Signature | Date: Month 2 Day 13 Year 12

NON-HAZARDOUS WASTE

ATTACHMENT C

ANALYTICAL REPORT

KIFF Analytical LLC

Report Number : 80363
Date : 02/23/2012

Laboratory Results

Ken Mateik
Horizon Environmental
4970 Windplay Drive, Suite 5
El Dorado Hills, CA 95762

Subject : 6 Water Samples
Project Name : Former Beacon 12574-SAM
Project Number : 1574.49
P.O. Number : WO 110543

Dear Mr. Mateik,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

KIFF Analytical LLC

Report Number : 80363
Date : 02/23/2012

Project Name : **Former Beacon 12574-SAM**
Project Number : **1574.49**

Sample : **MW-1** Matrix : Water Lab Number : 80363-01
Sample Date :02/13/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**180**	0.50	ug/L	EPA 8260B	02/16/12 13:49
Toluene	**5.4**	0.50	ug/L	EPA 8260B	02/16/12 13:49
Ethylbenzene	**24**	0.50	ug/L	EPA 8260B	02/16/12 13:49
Total Xylenes	**43**	0.50	ug/L	EPA 8260B	02/16/12 13:49
Methyl-t-butyl ether (MTBE)	**8.4**	0.50	ug/L	EPA 8260B	02/16/12 13:49
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 13:49
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 13:49
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 13:49
Tert-Butanol	**8.6**	5.0	ug/L	EPA 8260B	02/16/12 13:49
TPH as Gasoline	**1400**	50	ug/L	EPA 8260B	02/16/12 13:49
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 13:49
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 13:49
1,2-Dichloroethane-d4 (Surr)	95.2		% Recovery	EPA 8260B	02/16/12 13:49
Toluene - d8 (Surr)	95.1		% Recovery	EPA 8260B	02/16/12 13:49

KIFF Analytical LLC

Report Number : 80363
Date : 02/23/2012

Project Name : **Former Beacon 12574-SAM**
Project Number : **1574.49**

Sample : **MW-2** Matrix : Water Lab Number : 80363-02
Sample Date :02/13/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**2800**	9.0	ug/L	EPA 8260B	02/23/12 06:12
Toluene	**30**	0.50	ug/L	EPA 8260B	02/16/12 14:23
Ethylbenzene	**310**	0.50	ug/L	EPA 8260B	02/16/12 14:23
Total Xylenes	**82**	0.50	ug/L	EPA 8260B	02/16/12 14:23
Methyl-t-butyl ether (MTBE)	**75**	0.50	ug/L	EPA 8260B	02/16/12 14:23
Diisopropyl ether (DIPE)	**2.4**	0.50	ug/L	EPA 8260B	02/16/12 14:23
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 14:23
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 14:23
Tert-Butanol	**68**	5.0	ug/L	EPA 8260B	02/16/12 14:23
TPH as Gasoline	**9700**	900	ug/L	EPA 8260B	02/23/12 06:12
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 14:23
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 14:23
1,2-Dichloroethane-d4 (Surr)	80.4		% Recovery	EPA 8260B	02/16/12 14:23
Toluene - d8 (Surr)	84.5		% Recovery	EPA 8260B	02/16/12 14:23

KIFF Analytical LLC

Report Number : 80363
Date : 02/23/2012

Project Name : **Former Beacon 12574-SAM**
Project Number : **1574.49**

Sample : **MW-3** Matrix : Water Lab Number : 80363-03
Sample Date :02/13/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/22/12 02:46
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/22/12 02:46
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/22/12 02:46
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/22/12 02:46
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/22/12 02:46
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/22/12 02:46
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/22/12 02:46
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/22/12 02:46
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/22/12 02:46
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/22/12 02:46
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/22/12 02:46
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/22/12 02:46
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	02/22/12 02:46
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	02/22/12 02:46

KIFF Analytical LLC

Report Number : 80363
Date : 02/23/2012

Project Name : **Former Beacon 12574-SAM**
Project Number : **1574.49**

Sample : **MW-4** Matrix : Water Lab Number : 80363-04
Sample Date :02/13/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 15:36
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 15:36
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 15:36
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 15:36
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 15:36
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 15:36
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 15:36
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 15:36
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/16/12 15:36
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/16/12 15:36
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 15:36
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 15:36
1,2-Dichloroethane-d4 (Surr)	98.0		% Recovery	EPA 8260B	02/16/12 15:36
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	02/16/12 15:36

KIFF Analytical LLC

Report Number : 80363
Date : 02/23/2012

Project Name : **Former Beacon 12574-SAM**
Project Number : **1574.49**

Sample : **MW-5A** Matrix : Water Lab Number : 80363-05
Sample Date :02/13/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:14
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:14
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:14
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:14
Methyl-t-butyl ether (MTBE)	**17**	0.50	ug/L	EPA 8260B	02/16/12 16:14
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:14
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:14
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:14
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/16/12 16:14
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/16/12 16:14
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:14
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:14
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	02/16/12 16:14
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	02/16/12 16:14

KIFF Analytical LLC

Report Number : 80363
Date : 02/23/2012

Project Name : **Former Beacon 12574-SAM**
Project Number : **1574.49**

Sample : **MW-6** Matrix : Water Lab Number : 80363-06
Sample Date :02/13/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:48
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:48
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:48
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:48
Methyl-t-butyl ether (MTBE)	**24**	0.50	ug/L	EPA 8260B	02/16/12 16:48
Diisopropyl ether (DIPE)	**0.56**	0.50	ug/L	EPA 8260B	02/16/12 16:48
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:48
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:48
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/16/12 16:48
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/16/12 16:48
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:48
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/12 16:48
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	02/16/12 16:48
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	02/16/12 16:48

Report Number : 80363

Date : 02/23/2012

QC Report : Method Blank Data

Project Name : **Former Beacon 12574-SAM**

Project Number : **1574.49**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/16/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/16/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/16/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/16/2012
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/2012
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/16/2012
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/16/2012
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/16/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/16/2012
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/2012
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/16/2012
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	02/16/2012
Toluene - d8 (Surr)	98.9		%	EPA 8260B	02/16/2012
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/21/2012
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/21/2012
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/21/2012
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/21/2012
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/21/2012
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/21/2012
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/21/2012
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/21/2012
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/21/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/21/2012
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/21/2012
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/21/2012
1,2-Dichloroethane-d4 (Surr)	99.7		%	EPA 8260B	02/21/2012
Toluene - d8 (Surr)	102		%	EPA 8260B	02/21/2012

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/22/2012
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/22/2012

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80363

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 02/23/2012

Project Name : **Former Beacon 12574-SAM**

Project Number : **1574.49**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,2-Dibromoethane														
	80374-01	<0.50	39.5	39.6	38.7	39.6	ug/L	EPA 8260B	2/16/12	98.1	99.9	1.82	80-120	25
1,2-Dichloroethane														
	80374-01	<0.50	39.3	39.4	35.9	36.2	ug/L	EPA 8260B	2/16/12	91.4	91.7	0.246	75.7-122	25
Benzene														
	80374-01	<0.50	39.3	39.4	35.5	35.3	ug/L	EPA 8260B	2/16/12	90.3	89.6	0.770	80-120	25
Diisopropyl ether														
	80374-01	<0.50	38.8	39.0	37.6	37.2	ug/L	EPA 8260B	2/16/12	96.9	95.4	1.57	80-120	25
Ethyl-tert-butyl ether														
	80374-01	<0.50	39.3	39.5	35.9	36.1	ug/L	EPA 8260B	2/16/12	91.3	91.5	0.225	76.5-120	25
Ethylbenzene														
	80374-01	<0.50	39.3	39.4	39.9	39.4	ug/L	EPA 8260B	2/16/12	101	99.8	1.68	80-120	25
Methyl-t-butyl ether														
	80374-01	<0.50	39.7	39.9	36.1	36.9	ug/L	EPA 8260B	2/16/12	91.0	92.6	1.73	69.7-121	25
P + M Xylene														
	80374-01	<0.50	39.3	39.4	39.9	39.6	ug/L	EPA 8260B	2/16/12	102	100	1.22	76.8-120	25
Tert-Butanol														
	80374-01	<5.0	198	198	192	189	ug/L	EPA 8260B	2/16/12	97.2	95.3	1.97	80-120	25
Tert-amyl-methyl ether														
	80374-01	<0.50	38.8	38.9	36.6	37.3	ug/L	EPA 8260B	2/16/12	94.5	95.9	1.47	78.9-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80363

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 02/23/2012

Project Name : **Former Beacon 12574-SAM**

Project Number : **1574.49**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Toluene														
	80374-01	<0.50	39.3	39.4	37.5	37.3	ug/L	EPA 8260B	2/16/12	95.5	94.5	1.05	80-120	25
1,2-Dibromoethane														
	80382-04	<0.50	40.2	40.2	43.0	40.4	ug/L	EPA 8260B	2/21/12	107	101	6.04	80-120	25
1,2-Dichloroethane														
	80382-04	<0.50	40.0	40.0	40.8	38.2	ug/L	EPA 8260B	2/21/12	102	95.4	6.77	75.7-122	25
Benzene														
	80382-04	<0.50	40.0	40.0	40.3	37.1	ug/L	EPA 8260B	2/21/12	101	92.7	8.23	80-120	25
Diisopropyl ether														
	80382-04	<0.50	39.5	39.5	40.8	38.2	ug/L	EPA 8260B	2/21/12	103	96.5	6.64	80-120	25
Ethyl-tert-butyl ether														
	80382-04	<0.50	40.0	40.0	39.5	37.7	ug/L	EPA 8260B	2/21/12	98.6	94.1	4.66	76.5-120	25
Ethylbenzene														
	80382-04	<0.50	40.0	40.0	41.9	38.9	ug/L	EPA 8260B	2/21/12	105	97.2	7.47	80-120	25
Methyl-t-butyl ether														
	80382-04	2.9	40.4	40.4	42.2	40.0	ug/L	EPA 8260B	2/21/12	97.2	91.9	5.60	69.7-121	25
P + M Xylene														
	80382-04	<0.50	40.0	40.0	40.9	37.9	ug/L	EPA 8260B	2/21/12	102	94.7	7.74	76.8-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80363

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 02/23/2012

Project Name : **Former Beacon 12574-SAM**

Project Number : **1574.49**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Tert-Butanol														
	80382-04	<5.0	201	201	193	185	ug/L	EPA 8260B	2/21/12	95.9	91.8	4.34	80-120	25
Tert-amyl-methyl ether														
	80382-04	<0.50	39.4	39.4	40.3	36.9	ug/L	EPA 8260B	2/21/12	102	93.6	8.62	78.9-120	25
Toluene														
	80382-04	<0.50	40.0	40.0	41.4	38.0	ug/L	EPA 8260B	2/21/12	104	95.1	8.55	80-120	25
Benzene														
	80397-05	<0.50	40.0	40.0	40.2	39.0	ug/L	EPA 8260B	2/22/12	100	97.5	3.10	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80363

QC Report : Laboratory Control Sample (LCS)

Date : 02/23/2012

Project Name : **Former Beacon 12574-SAM**

Project Number : **1574.49**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,2-Dibromoethane	40.2	ug/L	EPA 8260B	2/16/12	99.0	80-120
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	2/16/12	91.3	75.7-122
Benzene	40.0	ug/L	EPA 8260B	2/16/12	90.5	80-120
Diisopropyl ether	39.5	ug/L	EPA 8260B	2/16/12	97.1	80-120
Ethyl-tert-butyl ether	40.0	ug/L	EPA 8260B	2/16/12	91.2	76.5-120
Ethylbenzene	40.0	ug/L	EPA 8260B	2/16/12	101	80-120
Methyl-t-butyl ether	40.4	ug/L	EPA 8260B	2/16/12	91.3	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	2/16/12	102	76.8-120
Tert-Butanol	201	ug/L	EPA 8260B	2/16/12	96.0	80-120
Tert-amyl-methyl ether	39.4	ug/L	EPA 8260B	2/16/12	96.4	78.9-120
Toluene	40.0	ug/L	EPA 8260B	2/16/12	95.8	80-120
1,2-Dibromoethane	40.2	ug/L	EPA 8260B	2/21/12	105	80-120
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	2/21/12	101	75.7-122
Benzene	40.0	ug/L	EPA 8260B	2/21/12	99.3	80-120
Diisopropyl ether	39.5	ug/L	EPA 8260B	2/21/12	103	80-120
Ethyl-tert-butyl ether	40.0	ug/L	EPA 8260B	2/21/12	99.6	76.5-120
Ethylbenzene	40.0	ug/L	EPA 8260B	2/21/12	105	80-120
Methyl-t-butyl ether	40.4	ug/L	EPA 8260B	2/21/12	97.2	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	2/21/12	102	76.8-120
TPH as Gasoline	505	ug/L	EPA 8260B	2/21/12	92.8	70.0-130
Tert-Butanol	201	ug/L	EPA 8260B	2/21/12	97.1	80-120
Tert-amyl-methyl ether	39.4	ug/L	EPA 8260B	2/21/12	100	78.9-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 80363

QC Report : Laboratory Control Sample (LCS)

Date : 02/23/2012

Project Name : **Former Beacon 12574-SAM**

Project Number : **1574.49**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	2/21/12	104	80-120
Benzene	39.9	ug/L	EPA 8260B	2/22/12	100	80-120
TPH as Gasoline	505	ug/L	EPA 8260B	2/22/12	95.6	70.0-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 80363

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): KEN MATEIK	California EDF Report? ☑ Yes ☐ No
Company / Address: Horizon Environmental, 4970 Windplay Drive, Suite 5, El Dorado Hills, CA 95762	Sampling Company Log Code: HEIE
Phone #: 916 - 939 - 2170 / Fax #: 916 - 939 - 2172	Global ID: T0600100155
Project #: 1574.49 / P.O. #: WO 110543	EDF Deliverable To (Email Address): kiffanalytical.com
Project Name: Former Beacon 12574-SAM	Sampler Signature: Mark D. Brock / Mark W. Brock
Project Address: 22315 Redwood Road, Castro Valley, CA 94546	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Ice	Preservative:	Matrix: WATER	Matrix: Soil	Matrix: Air	Matrix:	Analysis Request: MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)				TAT	For Lab Use Only
MW-1	2-13-12	1053	4						X			X		X						X	X	X		X										1 wk	01
MW-2	2-13-12	1114	4						X			X		X						X	X	X		X										1 wk	02
MW-3	2-13-12	0916	4						X			X		X						X	X	X		X										1 wk	03
MW-4	2-13-12	0937	4						X			X		X						X	X	X		X										1 wk	04
MW-5A	2-13-12	1003	4						X			X		X						X	X	X		X										1 wk	05
MW-6	2-13-12	1026	4						X			X		X						X	X	X		X										1 wk	06

Analysis Request — TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72 hr ☑ 1 wk

Relinquished by: Mark D. Brock / Mark W. Brock	Date 2-15-12	Time 0955	Received by:	
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date 021512	Time 0955	Received by Laboratory: [illegible] / Kiff Analytical	

Remarks:

STANDARD TURN AROUND TIME (One Week)

Bill to: ULTRAMAR Inc.
Attention: Mr. ~~C. Shay Wideman~~ Roger Levin

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: White - Lab; Copy - Originator
Rev: 051805

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER Initials

SRG#: 80363 Date: 021512

Project ID: Former Beam 1254-SAm

Method of Receipt: ☑ Courier ☐ Over-the-counter ☐ Shipper

COC Inspection

Is COC present?	☑ Yes	☐ No	
Custody seals on shipping container?	☐ Intact	☐ Broken	☐ Not present ☑ N/A
Is COC Signed by Relinquisher? ☑ Yes ☐ No Dated?	☑ Yes	☐ No	
Is sampler name legibly indicated on COC?	☑ Yes	☐ No	
Is analysis or hold requested for all samples?	☑ Yes	☐ No	
Is the turnaround time indicated on COC?	☑ Yes	☐ No	
Is COC free of whiteout and uninitialed cross-outs?	~~☑ Yes~~	☐ No, Whiteout	☑ No, Cross-outs

Sample Inspection

Coolant Present: ☑ Yes ☐ No (includes water)

Temperature °C 1.1 Therm. ID# 124 Initial Emy Date/Time 021512 1352 ☐ N/A

Are there custody seals on sample containers?	☐ Intact	☐ Broken	☑ Not present
Do containers match COC? ☑ Yes ☐ No ☐ No, COC lists absent sample(s)		☐ No, Extra sample(s) present	
Are there samples matrices other than soil, water, air or carbon?	☐ Yes	☑ No	
Are any sample containers broken, leaking or damaged?	☐ Yes	☑ No	
Are preservatives indicated? ☑ Yes, on sample containers	☑ Yes, on COC	☐ Not indicated	☐ N/A
Are preservatives correct for analyses requested?	☑ Yes	☐ No	☐ N/A
Are samples within holding time for analyses requested?	☑ Yes	☐ No	
Are the correct sample containers used for the analyses requested?	☑ Yes	☐ No	
Is there sufficient sample to perform testing?	☑ Yes	☐ No	

Does any sample contain product, have strong odor or are otherwise suspected to be hot? ☐ Yes ☑ No

Receipt Details

Matrix WA Container type VOA # of containers received 24

Matrix _____ Container type _____ # of containers received _____

Matrix _____ Container type _____ # of containers received _____

Date and Time Sample Put into Temp Storage Date: 021512 Time: ~~1557~~ @ 1357

Quicklog

Are the Sample ID's indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	
Is the Project ID indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If project ID is listed on both COC and containers, do they all match?	~~☒ Yes~~ JTR 021512	☒ No	☐ N/A	
Are the sample collection dates indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection dates are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	
Are the sample collection times indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection times are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	

COMMENTS: Proj ID on VOA labels is 1579.49.

LJR 021512-1725

O:\old_ed\samprec\Forms\Sample Receipt Checklist rev 051409.doc

ATTACHMENT D

HISTORICAL GROUNDWATER DATA

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
MW-1	156.55	03/27/92	22.43	134.12	-
		06/04/92	23.40	133.15	-
		09/23/92	24.07	132.48	-
		11/12/92	24.16	132.39	29.33
		02/02/93	21.87	134.68	29.80
		05/07/93	22.58	133.97	29.84
		05/18/93	22.66	133.89	-
		08/11/93	23.41	133.14	29.81
		11/05/93	24.09	132.46	29.81
		03/01/94	22.76	133.79	29.85
		06/02/94	23.24	133.31	29.85
		09/09/94	23.93	132.62	29.86
		12/20/94	22.94	133.61	29.85
		03/08/95	22.20	134.35	29.71
		06/14/95	22.65	133.90	29.70
		09/26/95	23.44	133.11	29.71
		12/27/95	23.04	133.51	29.72
		03/26/96	21.39	135.16	29.71
		06/05/96	22.43	134.12	29.73
		09/16/96	24.42	132.13	29.74
		12/02/96	23.14	133.41	29.75
		03/10/97	22.30	134.25	29.76
		06/12/97	22.97	133.58	29.76
		09/29/97	23.35	133.20	29.78
		12/01/97	22.73	133.82	29.79
		03/19/98	20.56	135.99	29.78
		05/28/98	21.78	134.77	29.76
		08/31/98	22.64	133.91	29.78
		12/08/98	22.87	133.68	29.76
		02/17/99	21.53	135.02	29.75
		06/10/99	22.74	133.81	29.74
		09/07/99	23.06	133.49	29.73
		12/13/00	23.06	133.46	29.74
		3/16/00	20.66	135.89	29.75
		6/12/00	22.53	134.02	29.76
		9/5/00	22.73	133.82	29.74
		11/13/00	23.20	133.35	29.74
		2/26/01	21.75	134.80	29.73
		6/12/01	22.70	133.85	29.73
		9/21/01	23.40	133.15	29.73
MW-2	155.17	03/27/92	20.82	134.35	-
		06/04/92	21.81	133.36	-
		09/23/92	22.45	132.72	-
		11/12/92	22.60	132.57	29.71

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
		02/02/93	20.28	134.89	29.73
		05/07/93	20.97	134.20	29.73
		05/18/93	21.06	134.11	-
		08/11/93	21.85	133.32	29.70
		11/05/93	22.32	132.85	29.70
		03/01/94	21.19	133.98	29.68
		06/02/94	21.59	133.58	29.69
		09/09/94	22.33	132.84	29.66
		12/20/94	21.37	133.80	29.65
		03/08/95	20.60	134.57	29.52
		06/14/95	21.04	134.13	29.54
		09/26/95	21.84	133.33	29.53
		12/27/95	21.44	133.73	29.56
		03/26/96	19.81	135.36	29.56
		06/05/96	20.83	134.34	29.59
		09/16/96	21.93	133.24	29.58
		12/02/96	21.54	133.63	29.58
		03/10/97	20.71	134.46	29.58
		06/12/97	21.41	133.76	29.52
		09/29/97	21.26	133.91	29.51
		12/01/97	20.97	134.20	29.50
		03/19/98	18.98	136.19	29.51
		05/28/98	20.22	134.95	29.50
		08/31/98	21.09	134.08	29.51
		12/08/98	21.31	133.86	29.50
		02/17/99	20.02	135.15	29.51
		06/10/99	21.30	133.87	29.50
		09/07/99	21.49	133.68	29.50
		12/13/99	21.52	133.65	29.50
		3/16/00	19.13	136.04	29.50
		6/12/00	20.93	134.24	29.50
		9/5/00	21.15	134.02	29.50
		11/13/00	21.66	133.51	29.50
		2/26/01	20.17	135.00	29.50
		6/12/01	21.15	134.02	29.50
		9/21/01	21.63	133.54	29.50
MW-3	157.13	03/27/92	21.46	135.67	-
		06/04/92	22.34	134.79	-
		09/23/92	22.84	134.29	-
		11/12/92	23.04	134.09	29.55
		02/02/93	21.03	136.10	29.45
		05/07/93	21.59	135.54	29.53
		05/18/93	21.73	135.40	-
		08/11/93	22.31	134.82	29.41
		11/05/93	22.85	134.28	29.41

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
		03/01/94	21.97	135.16	29.55
		06/02/94	22.29	134.84	29.56
		09/09/94	22.91	134.22	29.56
		12/20/94	22.11	135.02	29.54
		03/08/95	21.40	135.73	29.38
		06/14/95	21.80	135.33	29.36
		09/26/95	22.38	134.75	29.37
		12/27/95	22.07	135.06	29.37
		03/26/96	20.73	136.40	29.38
		06/05/96	21.54	135.59	29.40
		09/16/96	22.37	134.76	29.43
		12/02/96	22.35	134.78	29.45
		03/10/97	21.44	135.69	29.47
		06/12/97	21.97	135.16	29.45
		09/29/97	22.30	134.83	29.45
		12/01/97	21.78	135.35	29.46
		03/19/98	19.88	137.25	29.46
		05/28/98	20.91	136.22	29.47
		08/31/98	21.61	135.52	29.47
		12/08/98	21.83	135.30	29.47
		02/17/99	20.81	130.32	29.45
		06/10/99	21.61	135.52	29.45
		09/07/99	21.91	135.22	29.45
		12/13/99	21.93	135.20	29.44
		3/16/00	19.86	137.27	29.46
		6/12/00	21.61	135.52	29.46
		9/5/00	21.54	135.59	29.47
		11/13/00	21.98	135.15	29.46
		2/26/01	20.65	136.48	29.46
		6/12/01	21.70	135.43	29.46
		9/21/01	22.05	135.07	29.46
MW-4	151.96	05/18/93	17.55	134.41	-
		08/11/93	17.50	134.46	28.43
		11/05/93	15.84	136.12	28.43
		03/01/94	17.35	134.61	28.11
		06/02/94	17.68	134.28	28.12
		09/09/94	18.19	133.77	28.13
		12/20/94	17.52	134.44	28.10
		03/08/95	16.82	135.14	27.97
		06/14/95	17.22	134.74	27.97
		09/26/95	17.79	134.17	27.91
		12/27/95	17.47	134.49	27.89
		03/26/96	16.32	135.64	27.89
		06/05/96	17.10	134.86	27.88
		09/16/96	17.85	134.11	27.89

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
		12/02/96	17.59	134.37	27.88
		03/10/97	16.79	135.17	27.89
		06/12/97	17.49	134.47	27.90
		09/29/97	18.33	133.63	27.91
		12/01/97	17.36	134.60	27.90
		03/19/98	15.90	136.06	27.91
		05/28/98	16.34	135.62	27.90
		08/31/98	16.83	135.13	27.90
		12/08/98	17.37	134.59	27.91
		02/17/99	16.49	135.47	27.98
		06/10/99	17.63	134.33	24.76
		09/07/99	17.80	134.16	24.75
		12/13/99	17.82	134.14	24.73
		3/16/00	15.81	136.15	24.71
		6/12/00	16.64	135.32	24.70
		9/5/00	16.71	135.25	24.70
		11/13/00	17.24	134.72	24.70
		2/26/01	15.83	136.13	24.70
		6/12/01	16.80	135.16	24.70
		9/21/01	17.30	134.66	24.71
MW-5	148.68	05/18/93	15.72	132.96	-
		08/11/93	16.42	132.26	28.43
		11/05/93	16.92	131.76	28.43
		03/01/94	15.54	133.14	28.11
		06/02/94	16.19	132.49	28.12
		09/09/94	16.87	131.81	28.13
		12/20/94	15.87	132.84	28.10
		03/08/95	15.11	133.57	27.97
		06/14/95	15.69	132.99	27.97
		09/26/95	16.46	132.22	27.91
		12/27/95	15.91	132.77	27.89
		03/26/96	14.31	134.37	27.89
		06/05/96	15.43	133.25	27.88
		09/16/96	16.52	132.16	27.89
		12/02/96	16.05	132.63	27.88
		03/10/97	14.80	133.88	27.89
		06/12/97	15.95	132.78	27.90
		09/29/97	16.33	132.35	27.91
		12/01/97	15.48	133.20	27.90
		03/19/98	13.16	135.52	27.91
		05/28/98	14.04	134.64	27.90
		08/31/98	14.81	133.87	27.90
		12/08/98	15.75	132.93	27.91
		02/17/99	14.80	133.88	27.98
		06/10/99	15.54	133.14	24.76

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
		09/07/99	16.01	132.67	24.75
		12/13/99	16.21	132.47	24.73
		3/16/00	14.35	134.33	29.60
		6/12/00	15.21	133.47	29.61
		9/5/00	15.80	132.88	29.60
		11/13/00	16.21	132.47	29.60
		2/26/01	14.71	133.97	29.61
		6/12/01	15.72	132.96	29.60
		9/21/01	16.21	132.47	29.60
MW-6	153.96	05/18/93	20.80	133.16	-
		08/11/93	21.64	132.32	31.15
		11/05/93	22.11	131.85	31.15
		03/01/94	20.80	133.16	29.96
		06/02/94	21.37	132.59	29.98
		09/09/94	22.05	131.91	29.96
		12/20/94	21.06	132.90	29.89
		03/08/95	20.29	133.67	29.67
		06/14/95	20.81	133.15	29.65
		09/26/95	21.62	132.34	29.66
		12/27/95	21.12	132.84	29.63
		03/26/96	19.50	134.46	29.60
		06/05/96	20.56	133.40	29.63
		09/16/96	21.70	132.26	29.65
		12/02/96	21.25	132.71	29.66
		03/10/97	20.16	133.80	29.64
		06/12/97	21.16	132.80	29.62
		09/29/97	21.51	132.45	29.62
		12/01/97	20.89	133.07	29.61
		03/19/98	18.71	135.25	29.60
		05/28/98	19.99	133.97	29.62
		08/31/98	20.81	133.15	29.63
		12/08/98	21.00	132.96	29.64
		02/17/99	19.54	134.42	29.63
		06/10/99	20.74	133.22	27.98
		09/07/99	21.23	132.73	27.98
		12/13/99	21.22	132.74	27.98
		3/16/00	18.79	135.17	27.99
		6/12/00	20.49	133.47	27.99
		9/5/00	20.95	133.01	27.98
		11/13/00	21.44	132.52	27.98
		2/26/01	19.86	134.10	27.99
		6/12/01	20.91	133.05	27.98
		9/21/01	21.22	132.74	27.99
MW-7	156.09	05/18/93	22.64	133.45	-

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
		08/11/93	23.25	132.84	30.75
		11/05/93	23.93	132.16	30.75
		03/01/94	22.72	133.37	30.11
		06/02/94	23.22	132.87	30.12
		09/09/94	23.90	132.19	30.12
		12/20/94	22.98	133.11	30.10
		03/08/95	22.14	133.95	29.91
		06/14/95	22.61	133.48	29.91
		09/26/95	23.43	132.66	29.90
		12/27/95	23.01	133.08	29.90
		03/26/96	21.32	134.77	29.87
		06/05/96	22.37	133.72	29.91
		09/16/96	23.51	132.58	29.90
		12/02/96	23.08	133.01	29.91
		03/10/97	21.94	134.15	29.90
		06/12/97	22.96	133.13	29.88
		09/29/97	23.35	132.74	29.87
		12/01/97	22.68	133.41	29.88
		03/19/98	20.52	135.57	29.88
		05/28/98	21.76	134.33	29.88
		08/31/98	22.66	133.43	29.86
		12/08/98[3]			
MW-8	158.04	05/18/93	21.55	136.49	-
		08/11/93	22.43	135.61	34.82
		11/05/93	23.00	135.04	34.82
		03/01/94	22.05	135.99	34.04
		06/02/94	22.29	135.75	34.04
		09/09/94	22.99	135.05	34.04
		12/20/94	22.14	135.90	33.98
		03/08/95	21.25	136.79	34.48
		06/14/95	21.70	136.34	34.49
		09/26/95	22.29	135.75	34.40
		12/27/95	21.96	136.08	34.43
		03/26/96	20.48	137.56	34.42
		06/05/96	21.50	136.54	34.41
		09/16/96	22.38	135.66	34.43
		12/02/96	22.39	135.65	34.42
		03/10/97	20.89	137.16	34.43
		06/12/97	21.80	136.24	34.42
		09/29/97	22.81	135.23	34.40
		12/01/97	21.70	136.34	34.41
		03/19/98	19.35	138.69	34.42
		05/28/98	20.52	137.52	34.41
		08/31/98	21.40	136.64	34.40
		12/08/98[3]			

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)

NOTES:
1 : Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 : Elevation reference to mean sea level.
Well Depth : Measured from top of casing to bottom of well.
3 : Well abandoned.

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-1	03/27/92	5,600	<50	<50	760	900	230	1,100	-
	06/04/92	2,600	<800	NA	270	57	230	440	-
	09/23/92	3,400	NA	NA	480	430	110	550	-
	11/12/92	2,700	NA	NA	5.8	<5.0	140	340	-
	02/02/93	8,500	NA	NA	760	770	250	1,200	-
	05/07/93	7,700	NA	NA	970	630	280	1,500	-
	08/11/93	11,000	NA	NA	1,400	1,000	280	1,600	-
	11/05/93	36,000	NA	NA	6,200	4,700	1,400	7,100	-
	03/01/94	3,800	NA	NA	580	490	110	620	-
	06/02/94	8,900	NA	NA	1,900	1,200	480	2,100	-
	09/09/94	4,300	NA	NA	740	290	200	630	-
	12/20/94	3,900	NA	NA	550	260	150	510	-
	03/08/95	8,100	NA	NA	1,100	540	250	1,100	-
	06/14/95	NS	NS	NS	NS	NS	NS	NS	-
	09/26/95	8,600	NA	NA	2,100	550	420	1,300	-
	12/27/95	NS	NS	NS	NS	NS	NS	NS	-
	03/26/96	21,000	NA	NA	7,000	2,700	590	7,000	-
	06/05/96	NS	NS	NS	NS	NS	NS	NS	-
	09/16/96	13,000	NA	NA	3,200	770	420	2,900	1,400
	12/02/96	NS	NS	NS	NS	NS	NS	NS	NS
	03/10/97	30,000	NA	NA	7,300	1,900	850	7,100	1,100
	06/12/97	NS	NS	NS	NS	NS	NS	NS	NS
	09/29/97	25,000	NA	NA	840	5,500	920	920	4,000
	12/01/97	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/98	90,000	NA	NA	15,000	7,000	3,300	20,000	<1,500
	05/28/98	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/98	50,000	NA	NA	9,900	1,500	2,100	9,400	890
	12/08/98	NS	NS	NS	NS	NS	NS	NS	NS
	02/17/99	30,000	NA	NA	8,000	1,100	2,200	10,000	720
	06/10/99	NS	NS	NS	NS	NS	NS	NS	NS
	09/07/99	37,000	NA	NA	13,000	410	2,000	10,000	570
	12/13/99	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/00	59,000	NA	NA	9,600	430	2,100	9,200	730
	6/12/00	NS	NS	NS	NS	NS	NS	NS	NS
	9/5/00	49,000	NA	NA	8,000	230	2,100	6,400	740
	11/13/00	NS	NS	NS	NS	NS	NS	NS	NS
	2/26/01	56,000	NA	NA	7,000	240	2,000	6,800	620
	6/12/01	NS	NS	NS	NS	NS	NS	NS	NS

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	9/21/01	23,000	NA	NA	4,600	75	1,200	2,300	450
MW-2	03/27/92	18,000	<50	<50	2,400	2,300	870	3,300	-
	06/04/92	14,000	<5,000	NA	1,900	1,700	580	2,300	-
	09/23/92	22,000	NA	NA	2,100	1,500	760	2,900	-
	11/12/92	29,000	NA	NA	2,400	860	540	3,500	-
	02/02/93	24,000	NA	NA	2,700	1,900	590	2,600	-
	05/07/93	19,000	NA	NA	1,800	1,300	460	2,600	-
	08/11/93	23,000	NA	NA	2,300	1,500	550	2,300	-
	11/05/93	30,000	NA	NA	3,100	2,900	860	3,700	-
	03/01/94	13,000	NA	NA	1,500	490	350	1,100	-
	06/02/94	12,000	NA	NA	2,000	790	460	1,300	-
	09/09/94	13,000	NA	NA	1,800	660	440	1,000	-
	12/20/94	16,000	NA	NA	2,300	1,000	650	1,900	-
	03/08/95	16,000	NA	NA	2,200	1,000	550	2,100	-
	06/14/95	NS	NS	NS	NS	NS	NS	NS	-
	09/26/95	18,000	NA	NA	2,500	1,000	770	2,700	-
	12/27/95	NS	NS	NS	NS	NS	NS	NS	-
	03/26/96	33,000	NA	NA	4,200	2,600	1,000	5,000	-
	06/05/96	NS	NS	NS	NS	NS	NS	NS	-
	09/16/96	19,000	NA	NA	2,600	490	560	2,000	940
	12/02/96	NS	NS	NS	NS	NS	NS	NS	NS
	03/10/97	23,000	NA	NA	3,700	870	650	3,000	1,400
	06/12/97	NS	NS	NS	NS	NS	NS	NS	NS
	09/29/97	30,000	NA	NA	4,900	880	990	3,800	1,400
	12/01/97	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/98	72,000	NA	NA	14,000	9,500	2,300	11,000	<1,500
	05/28/98	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/98	29,000	NA	NA	4,900	1,600	960	3,900	890
	12/08/98	NS	NS	NS	NS	NS	NS	NS	NS
	02/17/99	26,000	NA	NA	5,200	930	1,200	4,400	640
	06/10/99	NS	NS	NS	NS	NS	NS	NS	NS
	09/07/99	32,000	NA	NA	5,700	600	1200	3,500	1,100
	12/13/99	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/00	38,000	NA	NA	4,900	780	1,100	3,700	870
	6/12/00	NS	NS	NS	NS	NS	NS	NS	NS
	9/5/00	21,000	NA	NA	3,400	490	730	2,200	1,000
	11/13/00	NS	NS	NS	NS	NS	NS	NS	NS
	2/26/01	33,000	NA	NA	5,200	260	1,400	3,200	740

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	6/12/01	NS	NS	NS	NS	NS	NS	NS	NS
	9/21/01	63,000	NA	NA	4,400	180	1,000	2,000	730
MW-3	03/27/92	160	<50	<50	9.2	4.8	10	23	-
	06/04/92	120	<50	NA	7.5	2.7	0.5	15	-
	09/23/92	220	NA	NA	8.3	4.3	62	19	-
	11/12/92	230	NA	NA	12	5.5	77	19	-
	02/02/93	86	NA	NA	2.4	0.71	27	6.2	-
	05/07/93	140	NA	NA	2.6	1.2	39	8.4	-
	08/11/93	490	NA	NA	15	8.1	14	37	-
	11/05/93	820	NA	NA	45	24	34	93	-
	03/01/94	410	NA	NA	7.4	2.7	56	10	-
	06/02/94	440	NA	NA	13	4.9	14	31	-
	09/09/94	620	NA	NA	12	4.8	97	20	-
	12/20/94	770	NA	NA	24	11	16	36	-
	03/08/95	300	NA	NA	6.1	0.97	4.8	7.5	-
	06/14/95	NS	NS	NS	NS	NS	NS	NS	-
	09/26/95	130	NA	NA	4.8	1.6	4.8	9.4	-
	12/27/95	NS	NS	NS	NS	NS	NS	NS	-
	03/26/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	-
	06/05/96	NS	NS	NS	NS	NS	NS	NS	-
	09/16/96	170	NA	NA	10	2.9	44	15	<5.0
	12/02/96	NS	NS	NS	NS	NS	NS	NS	NS
	03/10/97	84	NA	NA	2.3	<0.50	14	2.6	<5.0
	06/12/97	NS	NS	NS	NS	NS	NS	NS	NS
	09/29/97	740	NA	NA	61	9.8	42	61	<5.0
	12/01/97	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	05/28/98	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/98	320	NA	NA	6.7	1.0	10	9.3	3.4
	12/08/98	NS	NS	NS	NS	NS	NS	NS	NS
	02/17/99	310	NA	NA	<5.0	8.6	1.8	13	14
	06/10/99	NS	NS	NS	NS	NS	NS	NS	NS
	09/07/99	99	NA	NA	4.2	0.51	4.0	3.0	<5.0
	12/13/99	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	6/12/00	NS	NA	NA	NS	NS	NS	NS	NS
	9/5/00	240	NA	NA	3.0	0.53	9.6	4.0	<5.0
	11/13/00	NS	NA	NA	NS	NS	NS	NS	NS

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	2/26/01	**100**	NA	NA	**0.84**	<0.50	**3.5**	**1.7**	**0.84**
	6/12/01	NS	NS	NS	NS	NS	NS	NS	NS
	8/27/01[3]	-	-	-	-	-	-	-	
MW-4	05/18/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	08/11/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	11/05/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	03/01/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	06/02/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	09/09/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	12/20/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	03/08/95	NS	NS	NS	NS	NS	NS	NS	-
	06/14/95	NS	NS	NS	NS	NS	NS	NS	-
	09/26/95	NS	NS	NS	NS	NS	NS	NS	-
	12/27/95	NS	NS	NS	NS	NS	NS	NS	-
	03/26/96	NS	NS	NS	NS	NS	NS	NS	-
	06/05/96	NS	NS	NS	NS	NS	NS	NS	-
	09/16/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	12/02/96	NS	NS	NS	NS	NS	NS	NS	NS
	03/10/97	NS	NS	NS	NS	NS	NS	NS	NS
	06/12/97	NS	NS	NS	NS	NS	NS	NS	NS
	09/29/97	NS	NS	NS	NS	NS	NS	NS	NS
	12/01/97	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/98	NS	NS	NS	NS	NS	NS	NS	NS
	05/28/98	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/98	NS	NS	NS	NS	NS	NS	NS	NS
	12/08/98	NS	NS	NS	NS	NS	NS	NS	NS
	02/17/99	NS	NS	NS	NS	NS	NS	NS	NS
	06/10/99	NS	NS	NS	NS	NS	NS	NS	NS
	09/07/99	NS	NS	NS	NS	NS	NS	NS	NS
	12/13/99	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/00	NS	NS	NS	NS	NS	NS	NS	NS
	6/12/00	NS	NS	NS	NS	NS	NS	NS	NS
	9/5/00	NS	NS	NS	NS	NS	NS	NS	NS
	11/13/00	NS	NS	NS	NS	NS	NS	NS	NS
	2/26/01	NS	NS	NS	NS	NS	NS	NS	NS
	6/12/01	NS	NS	NS	NS	NS	NS	NS	NS
	8/27/01[3]	-	-	-	-	-	-	-	-
MW-5	05/18/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	08/11/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	11/05/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	03/01/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	06/02/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	09/09/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
MW-5	12/20/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
(cont.)	03/08/95	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	06/14/95	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	09/26/95	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	-
	12/27/95	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	-
	03/26/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	-
	06/05/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**15**
	09/16/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**20**
	12/02/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**12**
	03/10/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**7.0**
	06/12/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**7.2**
	09/29/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	12/01/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	03/19/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	05/28/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	08/31/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	12/08/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	02/17/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	06/10/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	09/07/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	12/13/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	3/16/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	6/12/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	9/5/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	11/13/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	2/26/01	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	6/12/01	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	8/27/01[3]	-	-	-	-	-	-	-	-
MW-6	05/18/93	**170**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	08/11/93	**78**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	11/05/93	**170**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	03/01/94	**210**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	06/02/94	**190**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	09/09/94	**140**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	12/20/94	**210**	NA	NA	<0.5	<0.5	<0.5	<0.5	

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	03/08/95	**180**[1]	NA	NA	<0.5	<0.5	<0.5	<0.5	
	06/14/95	**220**[1]	NA	NA	<0.5	<0.5	<0.5	<0.5	
	09/26/95	**110**[1]	NA	NA	<0.50	<0.50	<0.50	<0.50	
	12/27/95	**130**[1]	NA	NA	<0.50	<0.50	<0.50	<0.50	
	03/08/95	**100**[1]	NA	NA	<0.50	<0.50	<0.50	<0.50	
MW-6	06/05/96	**100**[1]	NA	NA	<0.50	<0.50	<0.50	<0.50	**430**
(cont.)	09/16/96	**170**	NA	NA	<0.50	<0.50	<0.50	<0.50	**430**
	12/02/96	**160**	NA	NA	<0.50	<0.50	<0.50	<0.50	**160**
	03/10/97	**140**	NA	NA	<0.50	<0.50	<0.50	<0.50	**390**
	06/12/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**330**
	09/29/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**130**
	12/01/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**200**
	03/19/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**240**
	05/28/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**290**
	08/31/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**290**
	12/08/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**230**
	02/17/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**200**
	06/10/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**290**
	09/07/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**230**
	12/13/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**180**
	3/16/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**260**
	6/12/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**160**
	9/5/00	<50	NA	NA	<0.50	**0.50**	<0.50	**0.81**	**170**
	11/13/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**190**
	2/26/01	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**130**
	6/12/01	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**96**
	8/27/01[3]	-	-	-	-	-	-	-	-
MW-7	05/18/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	08/11/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	11/05/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	03/01/94	**60**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	06/02/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	09/09/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	12/20/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	03/08/95	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	06/14/95	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	09/26/95	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	
	12/27/95	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	03/08/95	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	
	06/05/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	20
	09/16/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	26
	12/02/96	140	NA	NA	<0.50	<0.50	<0.50	<0.50	140
	03/10/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	29
	06/12/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	28
	09/29/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	27
MW-7	12/01/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	29
(cont.)	03/19/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	6.0
	05/28/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	25
	08/31/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	20
	12/08/98[2]								
MW-8	05/18/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	08/11/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	11/05/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	03/01/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	06/02/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	09/09/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	12/20/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	03/08/95	NS	NS	NS	NS	NS	NS	NS	-
	06/14/95	NS	NS	NS	NS	NS	NS	NS	-
	09/26/95	NS	NS	NS	NS	NS	NS	NS	-
	12/27/95	NS	NS	NS	NS	NS	NS	NS	-
	03/08/95	NS	NS	NS	NS	NS	NS	NS	-
	06/05/96	NS	NS	NS	NS	NS	NS	NS	-
	09/16/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	12/02/96	NS	NS	NS	NS	NS	NS	NS	NS
	03/10/97	NS	NS	NS	NS	NS	NS	NS	NS
	06/12/97	NS	NS	NS	NS	NS	NS	NS	NS
	09/29/97	NS	NS	NS	NS	NS	NS	NS	NS
	12/01/97	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/98	NS	NS	NS	NS	NS	NS	NS	NS
	05/28/98	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/98	NS	NS	NS	NS	NS	NS	NS	NS
	12/08/98[2]								

Notes:
<: Below indicated detection limit.
NS : Not sampled.
NA: Not Analyzed.

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Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)

[1] : Product not typical gasoline.
[2] : Well abandoned
[3] : As directed by Alameda County, Monitoring wells not sampled.

ATTACHMENT E

GEOTRACKER ELECTRONIC DATA DELIVERABLE

CONFIRMATION SHEETS

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**GEO_WELL**
Submittal Title:	**1574-Q112**
Facility Global ID:	**T0600100155**
Facility Name:	**BEACON #12574**
File Name:	**GEO_WELL.zip**
Organization Name:	**Horizon Environmental Inc.**
Username:	**HORIZON**
IP Address:	**98.154.232.94**
Submittal Date/Time:	**4/3/2012 9:57:03 PM**
Confirmation Number:	6034406542

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

SUCCESS

Your GEO_REPORT file has been successfully submitted!

Submittal Type:	GEO_REPORT
Report Title:	12574-SAMR-3Q11
Report Type:	Monitoring Report - Semi-Annually
Report Date:	9/13/2011
Facility Global ID:	T0600100155
Facility Name:	BEACON #12574
File Name:	12574-SAMR-3Q11.pdf
Organization Name:	Horizon Environmental Inc.
Username:	HORIZON
IP Address:	69.12.226.3
Submittal Date/Time:	9/14/2011 3:39:08 PM
Confirmation Number:	2986799120